April 8, 2016

North Carolina Department of Environmental Quality
Division of Waste Management – DSCA Program
1646 Mail Services Center
Raleigh, NC 27699-1646

Att: Mr. Billy Meyer
DSCA Project Manager

Re: Updated Assessment Report
Scott & Roberts Dry Cleaners DSCA Site ID #DC320011
733 Foster Street
Durham, Durham County, North Carolina

Dear Mr. Meyer:

URS Corporation – North Carolina (URS) is pleased to provide the attached Updated Assessment Report for the former Scott & Roberts Dry Cleaners site located at 733 Foster Street, Durham, North Carolina. This report was completed in accordance with the scope of work documented in a URS Assessment Cost Proposal, dated October 2, 2015, as approved by DSCA under State Lead Authorization for Work (SLAW) 014 on October 5, 2015.

This report serves as an update to the site Prioritization Assessment Report, which was submitted to DSCA on March 1, 2011, and an Updated Assessment Report, which was submitted to DSCA on March 17, 2015. This updated assessment report includes the following: updated Assessment Report forms, updated Analytical Data Tables, comprehensive well installation boring logs, well completion records, laboratory analytical reports, updated groundwater quality figures, a comprehensive soil gas quality figure, and soil gas risk calculators.

On February 26, 2016, URS oversaw the installation of one off-site groundwater monitoring well (MW-15) to assess groundwater quality cross gradient of off-site monitoring well MW-TM-23, which was installed by Progress Environmental, Inc. as part of ongoing assessment activities at the Trinity Food Mart, located at 403 West Trinity Avenue, pursuant to the requirements of the North Carolina Department of Environmental Quality (NCDEQ) Underground Storage Tank (UST) Section. Specifically, concentrations of tetrachloroethene (PCE) detected in monitoring well MW-TM-23 indicated that the groundwater impacts attributable to the potential release at the former Scott & Roberts dry cleaning facility may not have been adequately delineated.

The location of off-site monitoring well MW-TW-23 and newly installed monitoring well MW-15, as well as a summary of groundwater quality as sampled on February 25-26, 2016, are shown on **Attachment 17**. As indicated on this figure, groundwater results from the newly installed

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6000 Fairview Road, Suite 200
Charlotte, North Carolina 28210
(704) 522-0330 Phone
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well indicated that all volatile organic compounds (VOC), except acetone, were below the analytical detection limit.

In addition to the installation of one shallow monitoring well, URS completed a comprehensive groundwater gauging event and a limited groundwater sampling event of select wells. Based on this most recent groundwater quality data, as well as general groundwater flow dynamics, the lateral delineation of impacts likely attributable to the former Scott & Roberts dry cleaning operations appears to be adequately delineated.

As part of potential vapor intrusion assessment activities, one off-site subsurface soil gas sample (SG-700 Foster) was collected at 700 Foster Street to evaluate to possibility of vapor intrusion due to groundwater contaminant concentrations of PCE in monitoring well MW-10. Soil gas analytical results indicated a very low detection of PCE, which was within the acceptable risk limits for non-residential use.

If you have any questions or require additional information, please do not hesitate to call either Rob MacWilliams at 704-522-0330 or Carlin Slusher at 919-461-1341.

Sincerely,

URS CORPORATION-NORTH CAROLINA

Carlin E. Slusher
Project Manager

Robert H. MacWilliams, PG
Program Manager

Report Forms
for
North Carolina Dry-Cleaning Solvent Cleanup Act Program

Facility Name:	Scott and Roberts Cleaners
	733 Foster Street, Durham, Durham County, North Carolina
DSCA ID No.:	DC320011
Submittal Date:	April 8, 2016
Prepared By:	URS Corporation - North Carolina
	Robert H. MacWilliams, PG and Carlin Slusher

Table of Contents **DSCA TOC**

DSCA ID No.: DC320011

Report No.	Description	Check box if included
	DSCA Reports	
I	Assessment Report (AR) Forms	☑
II	Analytical Data Tables	☑
III	Groundwater Monitoring Report (GWMR) Forms	☐
IV	Tier 1 (T1) Risk-Based Corrective Action Report Forms	☐
V	Tier 2 (T2) Risk-Based Corrective Action Report Forms	☐

Assessment Report Forms
for
North Carolina Dry-Cleaning Solvent Cleanup Act Program

Facility Name:	Scott and Roberts Cleaners
	733 Foster Street, Durham, Durham County, North Carolina
DSCA ID No.:	DC320011
Submittal Date:	April 8, 2016
Prepared By:	URS Corporation - North Carolina
	Robert H. MacWilliams, PG and Carlin Slusher

Table of Contents		AR TOC
DSCA ID No.: DC320011		
Form/Att. No.	**Description**	**Check box if included**
	Assessment Report Forms (Page 1 of 2)	
Form 1	Facility Information	☑
Form 2	Site History	☑
Form 3	Land Use and Receptor Survey	☑
Form 4	Groundwater Use, Surface Water Use, and Ecological Survey	☑
Form 5	Site Stratigraphy and Hydrogeology	☑
Form 6	Non-Aqueous Phase Liquid (NAPL) Information	☑
	Assessment Report Attachments	
Att. 1	Site location map.	☑
Att. 2	Historical aerial photograph.	☐
Att. 3	Historical maps and fire insurance records.	☐
Att. 4	Facility as-building drawings.	☐
Att. 5	Facility layout diagram indicating the following (if applicable): (i) Service doors, (ii) current and historic location of drycleaning equipment, (iii) solvent/waste storage areas (including ASTs and USTs), (iv) distillation unit, (v) location of septic tank/drainfield or sanitary sewer lateral line, (vi) floor drains, (vii) storm sewer, (viii) expansion joints and cracks in floor, (ix) location of utilities, and (x) location of dumpsters.	☐
Att. 6	Utility records, including videos of sewer lines and pressure testing.	☐
Att. 7	Scaled vicinity map illustrating surrounding land use within 500 foot and 0.5 mile radii of the site.	☐
Att. 8	USGS Quad map with plotted water well location(s) within the 1,500 foot and 0.5 mile radii of the site.	☐
Att. 9	Area geologic map/relevant cross-sections.	☐
Att. 10	Soil boring logs which must include the following: (i) OVA or other field screening readings, (ii) depth of samples collect, (iii) odor, (iv) staining, (v) blow counts (if applicable), (vi) interval recovery, (vii) structures and/or bedding, (viii) moisture content, and (ix) borehole disposition (abandonment or conversion to monitor well).	☑
Att. 11	Site map showing location(s) of soil sample(s).	☐
Att. 12	Soil contaminant concentration maps showing the concentration at each sampling point.	☐
Att. 13	Soil isoconcentration maps.	☐
Att. 14	Site map showing location(s) of monitoring well(s).	☑
Att. 15	Well completion diagrams and records of construction submitted to state.	☑
Att. 16	Groundwater gradient map.	☑
Att. 17	Groundwater contaminant concentration maps showing the concentration at each sampling point and isoconcentration maps.	☑
Att. 18	Map showing location(s) of surface water sample(s) (if applicable).	☐
Att. 19	Surface water concentration map showing the concentration at each sampling point (if applicable).	☐

Table of Contents		AR TOC
DSCA ID No.: DC320011		
Form/Att. No.	**Description**	**Check box if included**
	Assessment Report Attachments continued (Page 2 of 2)	
Att. 20	Map showing location(s) of water supply well(s) (if applicable).	☐
Att. 21	Laboratory analytical reports including chain-of custody and quality assurance/quality control (QA/QC) documentation.	☑
Att. 22	Soil Gas Quality Map	☑
Att. 23	Soil Gas Risk Calculator (Non-Residential Use)	☑
Att. 24	Disclaimer	☑
Att. 25		☐

Note:

1. All maps must include a bar scale, north arrow, site name, DSCA ID No., and date.

Facility Information **AR Form 1**

DSCA ID No.: DC320011

☐	Currently operating facility since	
☑	Previously operating facility since	1947
☐	Temporarily out of service from	to
☑	Permanently out of service since	2008

Provide the name, address and telephone number of the current dry-cleaning business and the dry-cleaning business owner. If no current business at the facility, provide the name and address of the last dry-cleaner doing business at the site.

Facility name:	Scott & Roberts Dry Cleaners
Facility address (include name of shopping centre and the county where facility is located):	733 Foster Street Durham, Durham County, NC 27701
Facility telephone number (if applicable):	
Facility Owner's Name:	Atlas Foster Real Estate Holdings LLC
Owner's Mailing Address:	2409 Wrightwood Avenue Durham, NC 27705
Owner's Telephone number:	(919) 475-6664

Provide the earliest known date of the facility use for dry-cleaning buisness and the name of the dry-cleaning buisness (if applicable).

Scott and Roberts Dry Cleaners (1947-2008)

Provide information on businesses that occupied the facility that may use or have used solvents and other chemicals. Identify solvents and chemicals used at the facility (if applicable).

From April 1947 to Oct. 1987, the property was owned by Scott & Roberts, Inc. (contact information unknown) and doing busines as (D/B/A) Scott & Roberts Dry Cleaners. From Oct. 1987 to approximately 2010, the property owner was KSP Company, Inc. (KSP). From Oct. 1987 to April 1995, KSP occupied and D/B/A Scott & Roberts Cleaners. From April 1995 to September 2002, Joo Hwan Kim, sole proprietor, leased the property under Glam O Rama and D/B/A Scott & Roberts Cleaners. From 2002 to 2010, Song Chu Choi, sole proprietor and lessee, was D/B/A Scott & Roberts Dry Cleaners. Until the facility became a drop off station only in 2008, the dry cleaning operations utilized petroleum-based solvents (i.e., Stoddard solvents) and/or chlorinated solvents (i.e., tetrachloroethylene).

Report Prepared By

I certify that the prioritization assessment as stated in this report was prepared under my supervision.

Contractor	Date
Robert H. MacWilliams, PG	URS Corporation - North Carolina
Printed Name	Company Name

DSCA ID No.: DC320011

Number of dry-cleaning machines used at current or former facility: **At least 5**

Type of dry-cleaning machines used at current or former facility (e.g., transfer, dry-to-dry with vented exhaust, etc.).

Prior to 2008, the dry cleaning operations utilized: 2 VIC 3rd generation dry cleaning machines; 1 split pocket petroleum dry cleaning machine (transfer); 1 Real Star 4th generation dry cleaning machine; and 1 Union 4th generation dry cleaning machine.

Type of dry-cleaning solvents used by each type of machine.

The VIC , Real Star, and Union dry cleaning machines used tetrachloroethylene (PCE), and the split pocket dry cleaning machine used Stoddard solvents (SS).

Where are/were the dry-cleaning solvents stored at the facility site? (Machine base tanks, UST(s), AST(s), etc.)

PCE - within the machines (new), basement, and 2nd containment unit (spent). SS - (2) 550-gallon UST's

Are chlorinated dry cleaning solvents delivered to the facility by means of a closed, direct-coupled delivery system?

The means of dry cleaning solvent delivery to the facility is unknown.

Are virgin (new) solvents stored in containers other than the dry-cleaning machine?	○ Yes	● No
Are or were any USTs or ASTs used to store any petroleum or hazardous substances other than dry-cleaning solvents at the facility	● Yes	○ No

If yes, provide information about the substance stored, year taken out of service, virgin solvent or waste solvent, etc.

The following five (5) USTs were reportedly installed at the site in 1947: (2) 550-gallon SS USTs; (1) 6,660-gallon mineral spirits UST; (1) 1,000-gallon diesel UST; and (1) 560-gallon gasoline UST. In 1992, the USTs were permanently closed via removal from the ground. During the preliminary site visit, three (3) ASTs were observed. One (1) 500-gallon AST of unknown contents located in the basement and two (2) 500-gallon ASTs of unknown contents located along the southern property line.

What methods of disposal are used or have been used for separator water?

The methods of disposal that were used for separator water are unknown.

Provide information about the current/historical waste management practices, including types of wastes that are/were generated and how the waste are/were stored and managed.

The historical waste management practices are unknown.

Site History	AR Form 2

DSCA ID No.: DC320011

Ground Surface Conditions

- [ ] Unpaved
- [x] Paved — % area paved: 95

Any visible cracks in pavement? (●) Yes ( ) No

Subsurface Utilities

In the space provided for additional notes, please indicate the location and distance from soil and/or groundwater contamination to the nearest subsurface utility line and access point (e.g., manhole).

Have the utilities been screened for vapor levels? ( ) Yes (●) No

If YES, attach documentation of vapor monitoring results.

Indicate which of the following utilities currently act as conduits, or are likely to become conduits, under the columns entitled "Impacted by Release," and "Potentially Impacted by Release," respectively.

	Depth [feet]	Type of Material	Flow Direction	Impacted by Release	Potentially Impacted by Release
[x] Sanitary sewer	2-5	PVC/iron		Possibly	Possibly
[ ] Septic drainfields					
[ ] Covered storm sewer					
[ ] Open ditch					
[x] Water line	2-5	PVC		Possibly	Possibly
[x] Gas line	2-5	Unknown		Possibly	Possibly
[ ] Electric line					
[ ] Telephone line					
[ ] Other					

Release Characterization

Date the release was discovered	1992	
Date the release was reported	1992	
Type of release (explain)	Laboratory analytical results revealed a mixture of SS, chlorinated solvents, and petroleum products (i.e., gasoline and diesel fuel) released to the on-site soil and/or groundwater. The source was identified as the five (5) USTs and/or the dry cleaning machines.	
Has the release been abated?	(●) Yes ( ) No	Dry cleaner no longer operating
Is native soil impacted?	(●) Yes ( ) No	
Is groundwater impacted?	(●) Yes ( ) No	
Is surface water impacted?	( ) Yes (●) No	Not evaluated

Release Discovery

- [x] UST(s)/AST(s) removal
- [ ] Inventory control
- [ ] Facility remodeling/Construction activity
- [x] Environmental assessment
- [ ] Other (specify)
- [ ] Known spill incident
- [ ] Citizen complaint
- [x] Assessment on adjacent property
- [ ] Unknown

Site History	AR Form 2

DSCA ID No.: DC320011

Source(s) of Release

- [ ] Spills/Overfills
- [ ] Piping
- [x] Other (specify) The source was identified as five (5) USTs closed via removal from the ground in 1992; however, none of USTs reportedly contained chlorinated solvents (i.e., PCE). Therfore, the dry cleaning machines were also suspected as a secondary source.
- [ ] Tanks
- [x] Unknown

Chemicals of Concern

- [ ] 1,1,1-Trichloroethane
- [ ] 1,1,2,2-Tetrachloroethane
- [ ] 1,1,2-Trichloroethanae
- [ ] 1,1-Dichloroethane
- [ ] 1,1-Dichloroethylene
- [x] 1,2-Dichloroethane (EDC)
- [x] Benzene
- [ ] Benzo(a)pyrene
- [ ] Carbon tetrachloride
- [ ] Chloroform
- [x] Others
  - 1,2,4-Trimethylbenzene
  - Isopropylbenzene
- [x] cis-1,2-Dichloroethylene
- [x] Ethylbenzene
- [x] Methyl tert-butyl ether (MTBE)
- [x] Naphthalene
- [x] Tetrachloroethylene
- [x] Toluene
- [ ] trans-1,2-Dichloroethylene
- [x] Trichloroethylene
- [x] Vinyl chloride
- [x] Xylenes (total)
  - n-Butyl benzene
  - n-Propyl benzene
  - Isopropyl ether (IPE)

Additional Notes

URS obtained the aformentioned site history information from review of available regulatory documents (i.e., correspondence letters/emails, questionairres, agreements, etc.) and the following reports: 1) Report of Environmental Assessment and Closure prepared by EnviroChem Environmental Services, Inc. for Jong Park/Scott and Roberts Dry Cleaners and dated February 23, 1992; 2) Phase I Environmental Site Assessment (ESA) prepared by Engineering Consulting Services, Inc. (ECS) for Brad A. Lessler and dated July 18, 2001; 3) a Subsurface Evaluation prepared by Ed Aguirre & Associates, Inc. for Brad A. Lessler and dated March 20, 2006; and 4) Indoor Air Quality Assessment for The Central Park School for Children by EMS Environmental, Inc. and dated April 14, 2010.

Land Use and Receptor Survey **AR Form 3**

DSCA ID No.: DC320011

Land Use

On-site Land Use	Current	Future
Residential	○	○
Commercial/Industrial	◉	◉
Other	○	○

Justify the choice for future land use:

Historically (1947-2008), the property commercially operated only as a full service dry cleaning facility. From 2008 to approximately 2010, the site operated as a drop off only dry cleaning facility. The property was renovated in 2013-2014 and is available for lease for commercial/retail use.

Immediate Off-site Land Use (within 500 feet - at a minimum, state whether, residential, commercial/industrial, agricultural, or ecologically sensitive area). Indicate distances to residential/commercial/industrial buildings having basements which are occupied.

North:	Commercial - Trinity Food Mart, a convenience store and former gas stations
Northeast:	Residential
Northwest:	Commercial - Pure Sound (former dry cleaners); Residential
South:	Commercial - Durham County Soil & Water Extension Building
Southeast:	Community Service - Central Park School for Children
Southwest:	Commercial
West:	Commercial/Industrial
East:	Residential

Receptor Survey

List the distance and the direction (downgradient, upgradient, or crossgradient) to these facilites within 0.5 mile radius of the site (If necessary provide details in additional notes).

	Distance [feet]	Direction
Nearest residential site:	80	NE & Crossgradient
Nearest commercial/industrial site:	0	Site
If site is vacant, nearest inhabited building:	N/A	N/A
Nearest ecologically sensitive area (agricultural areas, parks/recreational areas, widlife sanctuaries, wetlands):	~750	NW & Crossgradient
Nearest school, hospital, day care, nursing home etc.:	60	SE & Crossgradient
Nearest public supply well:	> 1,500	Unknown
Nearest private supply well:	> 1,500	Unknown
Nearest point of exposure (current or potential) for groundwater ingestion:	80	N/A
Nearest surface water body:	~750	NW & Crossgradient

Additional Notes

The aforementioned information was obtained via the Durham County (http://www.co.durham.nc.us/) and the City of Durham (http://www.ci.durham.nc.us/) webpages. Additionally, the receptor survey was conducted in accordance with NCDEQ, DWM, Superfund Section, NC Dry-Cleaning Solvent Cleanup Program Guidance for Conducting the Prioritization Assessment (October 2004) as directed by the DSCA Contractor Bulletin #4 dated October 21, 2004. Receptor survey information provided in the Scott & Roberts Cleaners (#DC320011) Prioritization Assessment Report, dated March 1, 2011.

Groundwater Use, Surface Water Use, and Ecological Survey **AR Form 4**

DSCA ID No.: DC320011

Groundwater Use

Is the groundwater used on-site? ○ Yes ◉ No

If yes, specify the use:

- Potable domestic supply ☐
- Non-potable domestic supply ☐
- Public/Municipal supply ☐
- Industrial supply ☐
- Agriculture ☐
- Other (explain in space provided below)

Surface Water Use

Is a surface water body present in 1,000 feet radius of the site? ◉ Yes ○ No

If yes, specify the following:

Type of water body ○ River ○ Wet weather creek ○ Drain ditch ◉ Regular creek ○ Other: Tributary to Ellerbe Creek

North Carolina classification of water body WS

Does the water discharges into lake or reservoir? ○ Yes ◉ No

Surface water use:

- Potable domestic supply ☐
- Non-potable domestic supply ☐
- Public/Municipal supply ☐
- Industrial supply ☐
- Agriculture ☐
- Other (explain in space provided below)

Ecological Receptors and Habitats

1. Are there any ecological receptors or habitats present within 500 feet radius from the site? ○ Yes ◉ No
2. Are there visible indications of stressed receptors or habitats on or near the site that may be a result of chemical release? ○ Yes ◉ No

Water Well(s) Information

1. Are there public/municipal water supply wells within 0.5 mile radius from the ○ Yes ◉ No
2. Are there private water supply wells within 1500 feet radius from the site? ○ Yes ◉ No

Additional Notes

The receptor survey was conducted in accordance with NCDEQ, DWM, Superfund Section, NC Dry-Cleaning Solvent Cleanup Program Guidance for Conducting the Prioritization Assessment (October 2004) as directed by the DSCA Contractor Bulletin #4 dated October 21, 2004. Receptor survey information provided in the Scott & Roberts Cleaners (#DC320011) Prioritization Assessment Report, dated March 1, 2011.

Site Stratigraphy and Hydrogeology **AR Form 5**

DSCA ID No.: DC320011

Stratigraphy of Site

Depth [feet]	Description of Soil
0.5 - 19	Sandy Silt (ML)
19 - 37	Silty Sand (SM)

Predominent Soil Type: Mixture of sands and silts

Depth [feet]	Type of Bedrock and Geological Formation
~37	Triassic Basin Physiographic Province, Sanford-Durham Sub-Basin - tan,
	to very coarse grained, micaceous, arkosic sandstone of the Chatham Group

Hydrogeology of the Saturated Impacted Zone

Type of Aquifer?	○ Confined ◉ Unconfined ○ Perched
Underlying predominent aquifer name:	N/A
Aquifer classification (if applicable):	Surficial
Range of groundwater level fluctuations [feet bgs]:	1.68' - 56.00' bgs
Average depth to water table/static water level:	11.77' bgs
Flow direction:	South-Southwest
Hydraulic gradient (i) [--]:	0.027
Hydraulic conductivity (K) [cm/year]:	516.55
Darcy velocity (K x i) [cm/year-calculated]:	13.95
Groundwater velocity (K x i/Porosity) [cm/year]:	69.75
Annual precipitation (average for last 30 years) [inches/year]:	41.43

Additional Notes

Range of groundwater level fluctuations, average depth to water, hydraulic gradient, and hydraulic conductivity is taken from measurements collected from the Scott & Roberts Cleaners site (#DC320011) in Durham. Average annual precipitation obtained from National Climatic Data Center value for Raleigh, NC (http://www.ncdc.noaa.gov/cdo-web/search). Bedrock information obtained from Geologic Map of North Carolina, 1985.

Vadose Zone Characteristics

	Values/Range			Method
Dry bulk density [g/cm^3]	1.6	☑ Estimated	☐ Measured	
Total porosity [cm^3/cm^3]:	0.4	☑ Estimated	☐ Measured	
Effective porosity [cm^3/cm^3]:	0.2	☑ Estimated	☐ Measured	
Water content [cm^3/cm^3]:	0.1	☑ Estimated	☐ Measured	
Fractional organic carbon content [g-C/g-soil]:	< 0.10	☑ Estimated	☐ Measured	

Saturated Zone Characteristics

	Values/Range			Method
Dry bulk density [g/cm^3]	1.6	☑ Estimated	☐ Measured	
Total porosity [cm^3/cm^3]:	0.4	☑ Estimated	☐ Measured	
Effective porosity [cm^3/cm^3]	0.2	☑ Estimated	☐ Measured	
Water content [cm^3/cm^3]:	0.4	☑ Estimated	☐ Measured	
Fractional organic carbon content [g-C/g-soil]:	< 0.10	☑ Estimated	☐ Measured	

Additional Notes

Vadose and saturated zone dry bulk density, total porosity, water content, and fractional organic carbon were estimated based on observations of similar soils at other locations (Peck et al, 1974; Domenico et al, 1990; and ASTM, 1995).

Non-Aqueous Phase Liquid (NAPL) Information	AR Form 6

DSCA ID No.: DC320011

Was NAPL discovered at the site:	◉ Yes ○ No
If Yes, type of NAPL discovered:	LNAPL ☑ DNAPL ☐

Summary of LNAPL

Date LNAPL was discovered?	2009
Type of LNAPL discovered (if known):	Petroleum
Number of monitoring wells/points currently at site:	18 (not including NCDEQ UST wells)

Number of monitoring wells/points containing LNAPL (Note if any, list the monitoring wells/points containing NAPL):

A few site monitoring wells (MW-1, MW-1RS, MW-5, and MW-13S) have historically had recorded thicknesses of LNAPL.

Has LNAPL removal started?	NCDEQ UST Program initiatied in 2012
If No, cite reason:	
If Yes, specify method of removal (bailer, pump, etc.):	Bailer and absorbent socks
Removal points (MW #, Boring #, etc.):	MW-1RS, MW-13S
Total number of recovery events to date:	Unknown
Total amount of purge-water recovered:	Unknown
Total amount of LNAPL recovered:	Unknown
Date of latest LNAPL removal report submitted:	Unknown

Summary of DNAPL

Date DNAPL was discovered?	
Type of DNAPL discovered (if known):	
Number of monitoring wells/points currently at site:	

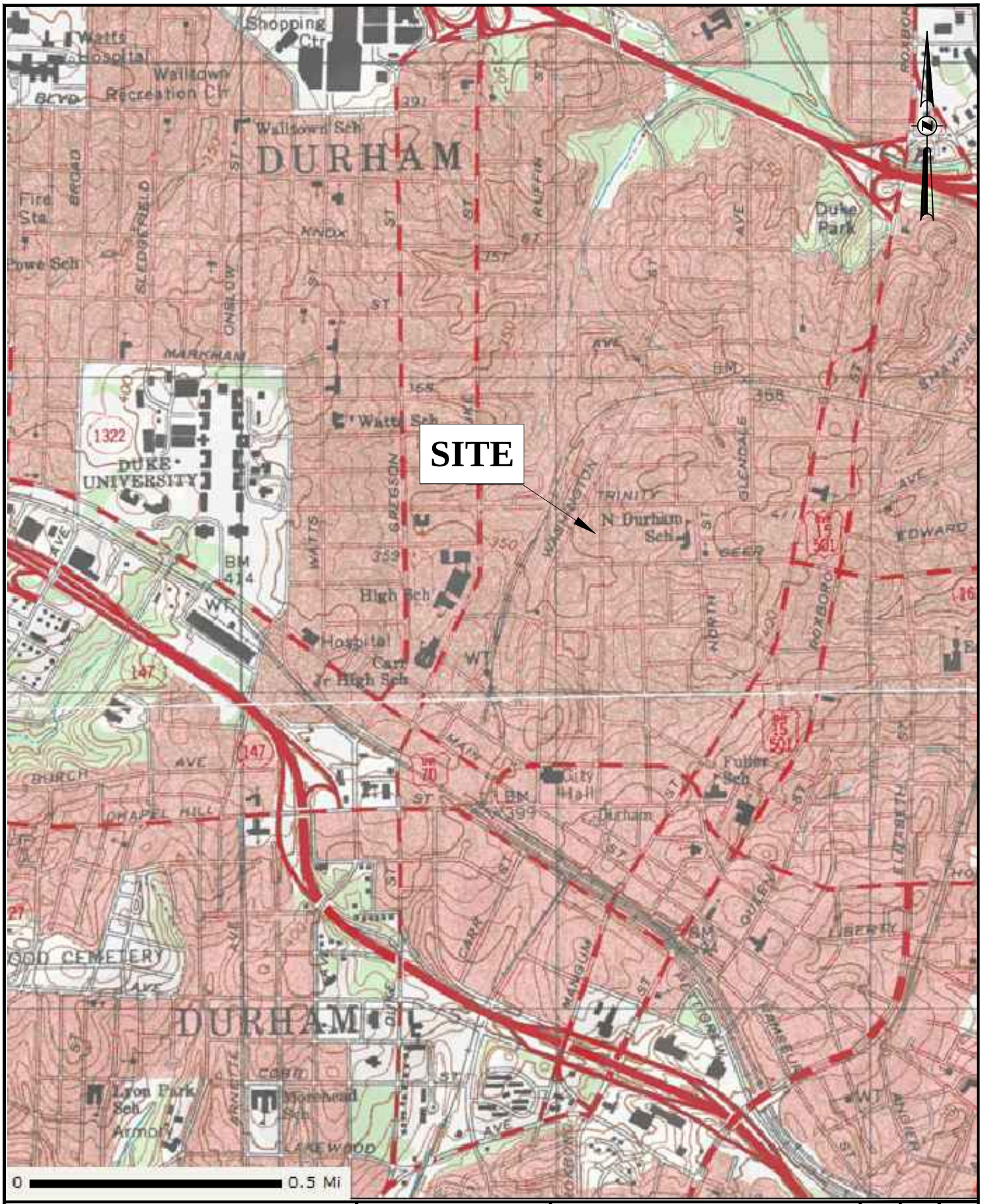
Number of monitoring wells/points containing DNAPL (Note if any, list the monitoring wells/points containing

Has DNAPL removal started?	
If No, cite reason:	
If Yes, specify method of removal (bailer, pump, etc.):	
Removal points (MW #, Boring #, etc.):	
Total number of recovery events to date:	
Total amount of purge-water recovered:	
Total amount of DNAPL recovered:	
Date of latest DNAPL removal report submitted:	

Additonal Notes

In November 2009, a LNAPL thickness of 1.01 feet was recorded in groundwater monitoring well MW-1. However, MW-1 has subsequently been abandoned and replaced with MW-1RS, MW-1RD, and MW-1RP. Historically, LNAPL has been present in the following monitoring wells: MW-1RS, MW-5, and MW-13S.

ATTACHMENT 1
SITE LOCATION MAP



URS

URS CORPORATION – NORTH CAROLINA
TWO SOUTH EXECUTIVE PARK
6135 PARK SOUTH DRIVE, SUITE 300
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0063

SITE LOCATION MAP
SCOTT & ROBERTS DRY CLEANERS
733 FOSTER STREET
DURHAM, NC
DC320011

DRAWN BY:	CHECKED BY:	PROJECT NO:
KNM-6/9/10	RHM-6/9/10	38854476

SHEET
ATT. 1

ATTACHMENT 10
BORING LOGS

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 38854476 **BORING NO:** MW-1RP **PROJECT NAME:** Scott and Roberts
DATE BEGAN: 3/31/2010 **DATE FINISHED:** 3/31/2010 **FIELD ENGINEER:** Bryan Anderson
DRILLER: Dean Bryant **NORTH:** **EAST:**
GROUND SURFACE ELEVATION: 85.61' **GWL DATE/TIME:** 4/2/10; 1025 **GWL DEPTH:** 9.31' bgs
DRILLING METHOD: Air **DRILL EQUIP:** Air Rig **CHECKED BY:** RHM
CONTRACTOR: Mad Dawg Inc.

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	Color-Tec (ppm)	WELL CONSTRUCTION
	0	Hand Auger		100		Asphalt: Reddish-Orange; sticky; soft w/ SILT				Concrete Well Pad
						Fill: Orange/Red; sandy/silty CLAY	FILL			Grout Slurry
						Fill: Sandy CLAY to clayey SAND				Bentonite Seal; 2" Sch. 40 PVC Riser
						Clay: Dark Orangish-Red; tight	CL			
95.0	-5					Clay: w/ some sand; damp; soft				
		Air		10		Silty Clay: Dark Orangish-Red; dry				#2 Filter Sand; 2" Sch. 40 PVC 0.01" slotted well screen
						Silt: Dark Orangish-Red; very fine	ML			
90.0	-10					Boring Terminated @ 10' bgs				

URS

NCDENR
North Carolina Department of Environment and Natural Resources

Well Installation Log MW-1RP
Scott and Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: KNM
CHECKED BY: RHM
PROJECT NO: 38854476
SHEET: Att.10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 38854476 **BORING NO:** MW-1RS/D **PROJECT NAME:** Scott & Roberts

DATE BEGAN: 3/31/10 **DATE FINISHED:** 3/31/10 **FIELD ENGINEER:** Bryan Anderson

DRILLER: Dean Bryant **NORTH:** **EAST:**

GROUND SURFACE ELEVATION: 99.93' **GWL DATE/TIME:** 4/2/10; 1020/1015 **GWL DEPTH:** 29.31'/31.13' bgs

DRILLING METHOD: Air **DRILL EQUIP:** Air Rig **CHECKED BY:** RHM

CONTRACTOR: Mad Dawg Inc.

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	Color-Tec (ppm)	WELL CONSTRUCTION
	0	Hand Auger		100		Asphalt	FILL	2.6		Concrete Well Pad
95.0	-5					Fill: Orange/Red; sandy/silty CLAY	CL	4.8		Grout
						Fill: Sandy CLAY to clayey SAND		4.8		1" ID Schedule 40 PVC Riser
90.0	-10					Clay: Dark Orangish-Red; tight		3.0		Bentonite
						Clay: w/ some sand; damp; soft		46.0		
85.0	-15					Silty Clay: Dark Orangish-Red; dry		30.0		
80.0	-20					Silt: Dark Orangish-Red; very fine				1" ID Schedule 40 PVC Riser
						Silt: Dark Orange/Red/Light Yellow				Sand Pack
75.0	-25	Air				Silt: w/ pieces of sandstone				1" ID Schedule 40 PVC 0.01-inch Slotted Well Screen
				10		Silt: Strong petroleum odor	ML			
70.0	-30					Silt: w/ fine sand; micaceous				
65.0	-35									Bentonite
60.0	-40					Silt: Light Brown, Brown; large rock fragments				
55.0	-45									Sand Pack
										1" ID Schedule 40 PVC 0.01-inch Slotted Well Screen
50.0	-50					Boring Terminated @ 50' bgs				

URS

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Well Installation Log - MW-1RS/D
Scott & Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: KNM
CHECKED BY: RHM
PROJECT NO: 38854476
SHEET: Att. 10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 38854476 **BORING NO:** MW-2 **PROJECT NAME:** Scott and Roberts

DATE BEGAN: 11/9/2009 **DATE FINISHED:** 11/9/2009 **FIELD ENGINEER:** Mike Chang

DRILLER: Barry McAlpin **NORTH:** **EAST:**

GROUND SURFACE ELEVATION: 99.07' **GWL DATE/TIME:** 11/13/2009 **GWL DEPTH:** 17.40' bgs

DRILLING METHOD: Air **DRILL EQUIP:** Air Rig **CHECKED BY:** RHM

CONTRACTOR: Mad Dawg Inc.

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	Color-Tec (ppm)	WELL CONSTRUCTION
	0	Hand Auger		100		Asphalt				Concrete Well Pad
95.0	-5					Silty Sand: Medium Tan; fine to medium grained; micaceous	SM			
90.0	-10					Silt: Medium Brown w/ some clay; soft	ML			Grout Slurry
						Silty Sand: Light Yellowish Tan; very fine to fine grained; increasing in sand content	SM	38.57 50.0 46.0		2" Sch. 40 PVC Riser
85.0	-15					Silty Sand: Greenish-Yellow; very fine; odor				
						Silty Sand: Medium Brown; very fine; powdery				
80.0	-20	Air		10		Silt: Medium Reddish-Brown; powdery w/ some clay	ML	100		Bentonite Seal
75.0	-25					Silt: Medium Tan/ Light Yellowish-Grey w/ some clay; petroleum odor from 28' - 37'		150		#2 Filter Sand
70.0	-30									2" Sch. 40 PVC 0.01" slotted well screen
65.0	-35					Boring Terminated @ 36' bgs				

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Well Installation Log MW-2
Scott and Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: KNM
CHECKED BY: RHM
PROJECT NO: 38854476
SHEET: Att.10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 38854476 **BORING NO:** MW-3 **PROJECT NAME:** Scott and Roberts

DATE BEGAN: 11/9/2009 **DATE FINISHED:** 11/9/2009 **FIELD ENGINEER:** Mike Chang

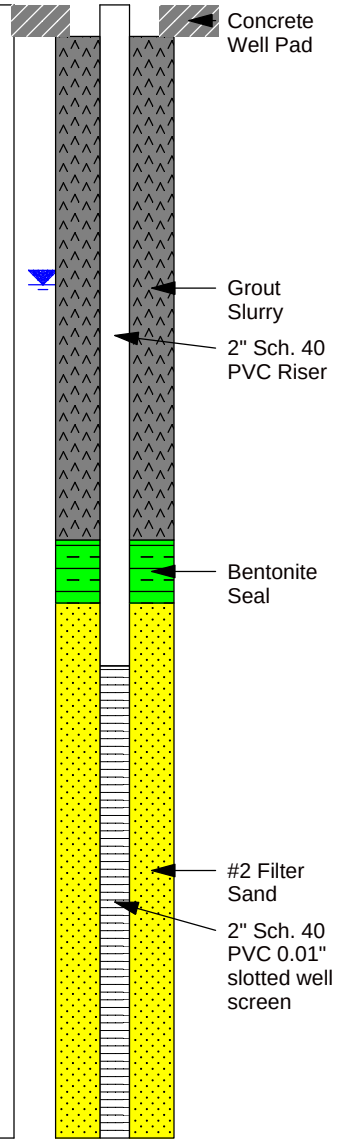
DRILLER: Barry McAlpin **NORTH:** **EAST:**

GROUND SURFACE ELEVATION: 100.75' **GWL DATE/TIME:** 11/13/2009 **GWL DEPTH:** 8.89' bgs

DRILLING METHOD: Air **DRILL EQUIP:** Air Rig **CHECKED BY:** RHM

CONTRACTOR: Mad Dawg Inc.

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	Color-Tec (ppm)	WELL CONSTRUCTION
100.0	0	Hand Auger		100		Asphalt				Concrete Well Pad
						Sandy Silt: Medium Reddish-Orange w/ clay	SM			
95.0	-5	Shelby Tube	Shelby Tube	Shelby Tube			Shelby Tube	0.0		
90.0	-10							0.0		Grout Slurry; 2" Sch. 40 PVC Riser
85.0	-15							0.0		
80.0	-20	Air		10			SM	0.0		Bentonite Seal
75.0	-25					Sandy Silt: Light Tan w/ clay		0.0		
						Sandy Silt: Medium Reddish-Orange; powdery				#2 Filter Sand
70.0	-30					Silty Sand: Light to Medium Tan; fine to very fine; micaceous		0.0		2" Sch. 40 PVC 0.01" slotted well screen
65.0	-35					Sandy Silt: Medium Reddish-Brown		0.0		
						Boring Terminated @ 36' bgs				



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Well Installation Log MW-3
Scott and Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: KNM
CHECKED BY: RHM
PROJECT NO: 38854476
SHEET: Att.10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 38854476 **BORING NO:** MW-4 **PROJECT NAME:** Scott and Roberts

DATE BEGAN: 11/10/2009 **DATE FINISHED:** 11/10/2009 **FIELD ENGINEER:** Mike Chang

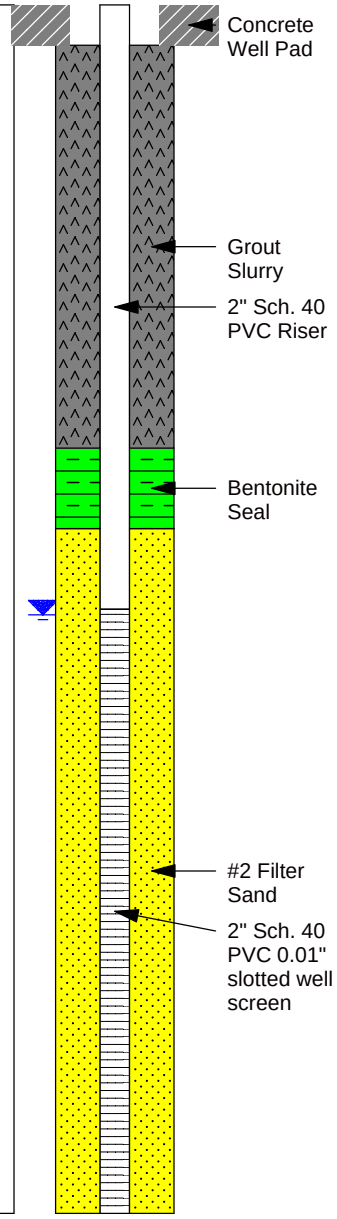
DRILLER: Barry McAlpin **NORTH:** **EAST:**

GROUND SURFACE ELEVATION: 91.20' **GWL DATE/TIME:** 11/13/2009 **GWL DEPTH:** 15.14' bgs

DRILLING METHOD: Air **DRILL EQUIP:** Air Rig **CHECKED BY:** RHM

CONTRACTOR: Mad Dawg Inc.

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	Color-Tec (ppm)	WELL CONSTRUCTION
90.0	0	Hand Auger		100		Asphalt				Concrete Well Pad
						Clayey Silt: Powdery; very fine grained sand present	ML			Grout Slurry; 2" Sch. 40 PVC Riser
85.0	-5	Air		10						
80.0	-10									Bentonite Seal
75.0	-15									
						Silty Sand: Medium Tan; very fine to fine grained	SM	0.0		#2 Filter Sand; 2" Sch. 40 PVC 0.01" slotted well screen
70.0	-20									
						Silt: Reddish-Brown; micaceous		0.0		
65.0	-25					Silty Sand: Medium Tan; very fine grained				
	-30					Boring Terminated @ 30' bgs		0.0		



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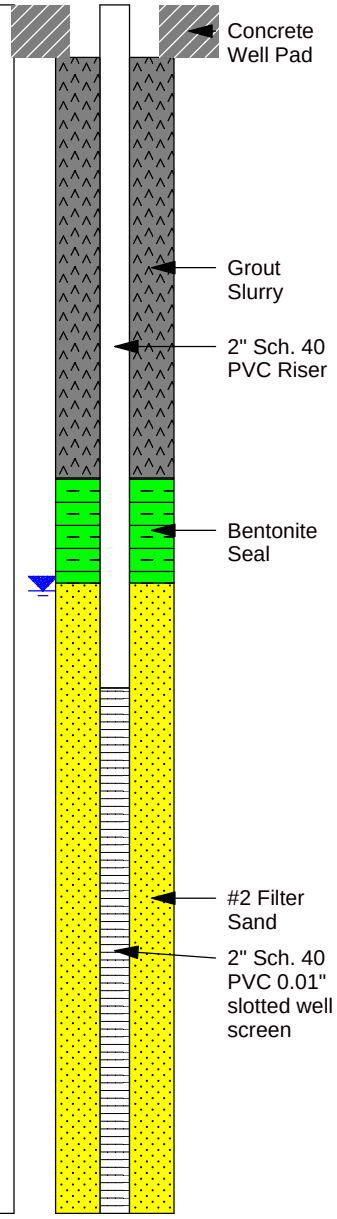
Well Installation Log MW-4
Scott and Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: KNM
CHECKED BY: RHM
PROJECT NO: 38854476
SHEET: Att.10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 38854476
BORING NO: MW-5
PROJECT NAME: Scott and Roberts
DATE BEGAN: 11/10/2009
DATE FINISHED: 11/10/2009
FIELD ENGINEER: Mike Chang
DRILLER: Barry McAlpin
NORTH:
EAST:
GROUND SURFACE ELEVATION: 91.09'
GWL DATE/TIME: 11/13/2009
GWL DEPTH: 11.15' bgs
DRILLING METHOD: Air
DRILL EQUIP: Air Rig
CHECKED BY: RHM
CONTRACTOR: Mad Dawg Inc.

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	Color-Tec (ppm)	WELL CONSTRUCTION
90.0	0	Hand Auger		100		Asphalt				Concrete Well Pad
						Sand: Reddish-Orange				
85.0	-5	Air		10		Sandy Silt: Medium Tan; very fine to fine grained; powdery	SM	26.0		Grout Slurry; 2" Sch. 40 PVC Riser
80.0	-10									Bentonite Seal
75.0	-15					Sandy Silt: Strong petroleum odor		0.00		#2 Filter Sand
70.0	-20					Sandy Silt: Very strong petroleum odor; damp				2" Sch. 40 PVC 0.01" slotted well screen
						Boring Terminated @ 23' bgs				



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North Carolina Department of Environment and Natural Resources

Well Installation Log MW-5
Scott and Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: KNM
CHECKED BY: RHM
PROJECT NO: 38854476
SHEET: Att.10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 38854476 **BORING NO:** MW-6 **PROJECT NAME:** Scott and Roberts

DATE BEGAN: 11/10/2009 **DATE FINISHED:** 11/10/2009 **FIELD ENGINEER:** Mike Chang

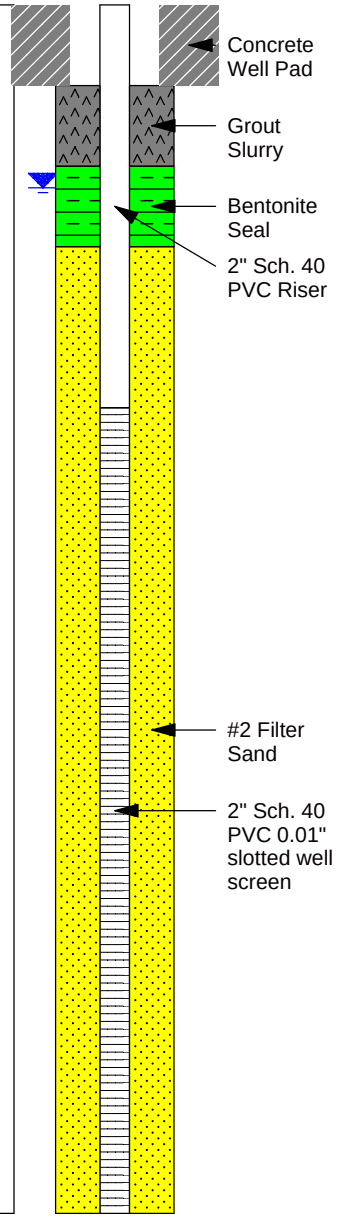
DRILLER: Barry McAlpin **NORTH:** **EAST:**

GROUND SURFACE ELEVATION: 64.50' **GWL DATE/TIME:** 11/13/2009 **GWL DEPTH:** 2.27' bgs

DRILLING METHOD: Air **DRILL EQUIP:** Air Rig **CHECKED BY:** RHM

CONTRACTOR: Mad Dawg Inc.

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	Color-Tec (ppm)	WELL CONSTRUCTION
	0					Asphalt				
		Hand Auger		100		Clayey Silt: abundant fine to medium grained sand; sticky; medium stiffness; damp				
60.0	-5									
						Clayey Silt: Strong petroleum odor @ 11'	ML			
55.0	-10	Air		10						
						Silty Sand: Very fine to fine grained; petroleum odor decreasing	SM			
50.0	-15					Boring Terminated @ 15' bgs				



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Well Installation Log MW-6
Scott and Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: KNM
CHECKED BY: RHM
PROJECT NO: 38854476
SHEET: Att.10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 38854476 **BORING NO:** MW-7 **PROJECT NAME:** Scott and Roberts

DATE BEGAN: 11/11/2009 **DATE FINISHED:** 11/11/2009 **FIELD ENGINEER:** Mike Chang

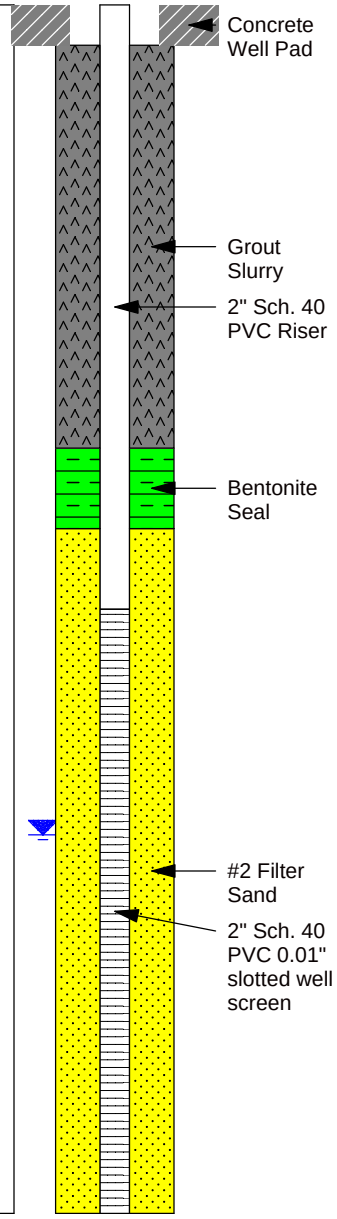
DRILLER: Barry McAlpin **NORTH:** **EAST:**

GROUND SURFACE ELEVATION: 89.08' **GWL DATE/TIME:** 11/13/2009 **GWL DEPTH:** 20.60' bgs

DRILLING METHOD: Air **DRILL EQUIP:** Air Rig **CHECKED BY:** RHM

CONTRACTOR: Mad Dawg Inc.

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	Color-Tec (ppm)	WELL CONSTRUCTION
	0	Hand Auger		100		Asphalt				Concrete Well Pad
						Sandy Silt: Reddish-Orange w/ some clay				
85.0	-5	Air		10		Sandy Silt: Very fine to fine grained; petroleum odor @ 18'	SM			Grout Slurry; 2" Sch. 40 PVC Riser; Bentonite Seal
80.0	-10									
75.0	-15									
70.0	-20					Silty Sand: Medium Tan; very fine to fine grained w/ some clay; dry				#2 Filter Sand; 2" Sch. 40 PVC 0.01" slotted well screen
65.0	-25					Silty Sand: Reddish-Orange; very fine to fine grained; wet @ 29.5'				
60.0	-30					Boring Terminated @ 30' bgs				



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Well Installation Log MW-7
Scott and Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: KNM
CHECKED BY: RHM
PROJECT NO: 38854476
SHEET: Att.10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 38854476 **BORING NO:** MW-8 **PROJECT NAME:** Scott and Roberts

DATE BEGAN: 3/30/2010 **DATE FINISHED:** 3/30/2010 **FIELD ENGINEER:** Bryan Anderson

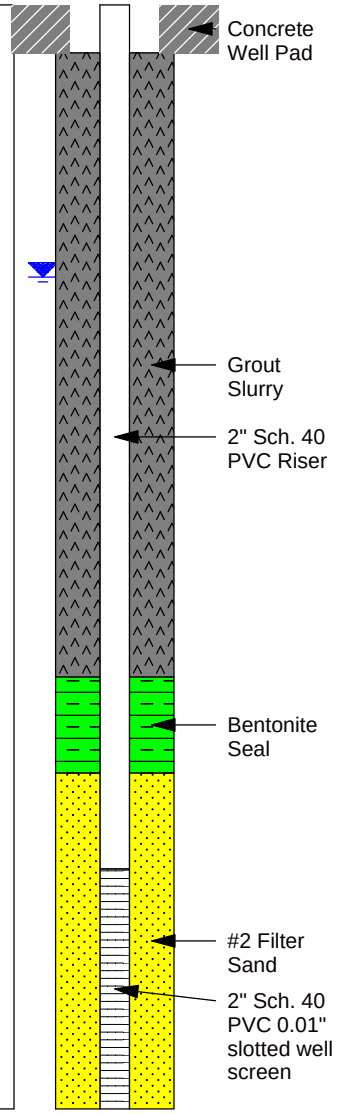
DRILLER: Dean Bryant **NORTH:** **EAST:**

GROUND SURFACE ELEVATION: 99.01' **GWL DATE/TIME:** 4/2/10; 0930 **GWL DEPTH:** 5.67' bgs

DRILLING METHOD: Air **DRILL EQUIP:** Air Rig **CHECKED BY:** RHM

CONTRACTOR: Mad Dawg Inc.

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	Color-Tec (ppm)	WELL CONSTRUCTION
	0	Hand Auger		100		Asphalt Silty Clay: Orangish-Red; fine to very fine; slightly moist	CL			Concrete Well Pad
95.0	-5	Air		10		Silt: Orangish-Red; fine to very fine	ML			Grout Slurry 2" Sch. 40 PVC Riser
90.0	-10									
85.0	-15									Bentonite Seal
80.0	-20					Silt: Soft rock present w/ clay; slightly damp Boring Terminated @ 23' bgs				#2 Filter Sand 2" Sch. 40 PVC 0.01" slotted well screen



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Well Installation Log MW-8
Scott and Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: KNM
CHECKED BY: RHM
PROJECT NO: 38854476
SHEET: Att.10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 38854476 **BORING NO:** MW-9 **PROJECT NAME:** Scott and Roberts

DATE BEGAN: 3/29/2010 **DATE FINISHED:** 3/29/2010 **FIELD ENGINEER:** Bryan Anderson

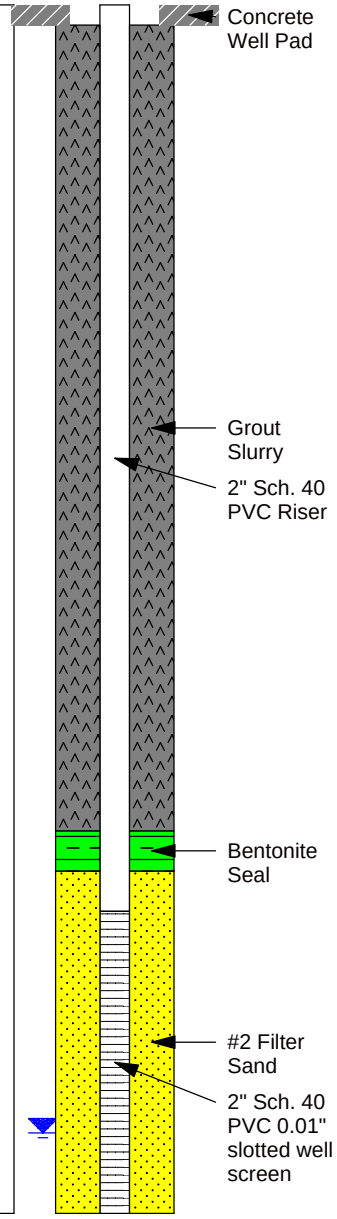
DRILLER: Dean Bryant **NORTH:** **EAST:**

GROUND SURFACE ELEVATION: 98.73' **GWL DATE/TIME:** 4/2/10; 0900 **GWL DEPTH:** 56.00' bgs

DRILLING METHOD: Air **DRILL EQUIP:** Air Rig **CHECKED BY:** RHM

CONTRACTOR: Mad Dawg Inc.

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	Color-Tec (ppm)	WELL CONSTRUCTION
	0	Hand Auger		100		Asphalt	FILL			Concrete Well Pad
95.0	-5					Fill: Brown w/ silty SAND				
		Air		10		Silty Sand: Brownish-Red; very fine; micaceous	SM			
90.0	-10					Silty Sand: Yellow/Light Brown; very fine to fine, micaceous				
85.0	-15					Silt: Brownish-Red; very fine, micaceous	ML			
80.0	-20					Silt: Light Brown/Yellow/Orange; micaceous				Grout Slurry; 2" Sch. 40 PVC Riser
75.0	-25									
70.0	-30									
65.0	-35					Silt: Dark Purplish-Red				
60.0	-40					Silt: Light Brown; Light Grey color @ 60'				Bentonite Seal
55.0	-45									
50.0	-50									#2 Filter Sand
45.0	-55									2" Sch. 40 PVC 0.01" slotted well screen
40.0	-60					Boring Terminated @ 60' bgs				



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North Carolina Department of Environment and Natural Resources

Well Installation Log MW-9
Scott and Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: KNM
CHECKED BY: RHM
PROJECT NO: 38854476
SHEET: Att.10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 38854476 **BORING NO:** MW-10 **PROJECT NAME:** Scott and Roberts

DATE BEGAN: 3/30/2010 **DATE FINISHED:** 3/30/2010 **FIELD ENGINEER:** Bryan Anderson

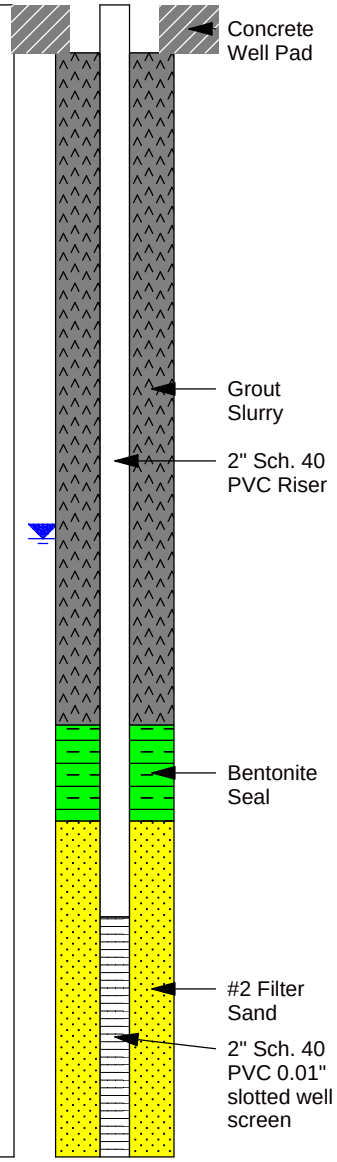
DRILLER: Dean Bryant **NORTH:** **EAST:**

GROUND SURFACE ELEVATION: 85.61' **GWL DATE/TIME:** 4/2/10; 0915 **GWL DEPTH:** 11.12' bgs

DRILLING METHOD: Air **DRILL EQUIP:** Air Rig **CHECKED BY:** RHM

CONTRACTOR: Mad Dawg Inc.

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	Color-Tec (ppm)	WELL CONSTRUCTION
85.0	0	Hand Auger		100		Asphalt				Concrete Well Pad
						Clay: Reddish-Orange; sticky; soft w/ SILT	CL			
80.0	-5	Air		10		Silt: Reddish-Orange; fine to very fine; medium rock fragments	ML			Grout Slurry; 2" Sch. 40 PVC Riser
75.0	-10									
70.0	-15					Silt: Light Brown; fine to very fine; micaceous				Bentonite Seal
65.0	-20					Silt: Yellowish-Orange; fine to very fine; micaceous				#2 Filter Sand; 2" Sch. 40 PVC 0.01" slotted well screen
						Silt: Wet @ 23.5'				
						Boring Terminated @ 24' bgs				



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North Carolina Department of Environment and Natural Resources

Well Installation Log MW-10
Scott and Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: KNM
CHECKED BY: RHM
PROJECT NO: 38854476
SHEET: Att.10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 38854476 **BORING NO:** MW-11 **PROJECT NAME:** Scott & Roberts

DATE BEGAN: 5/24/10 **DATE FINISHED:** 5/24/10 **FIELD ENGINEER:** B. Anderson

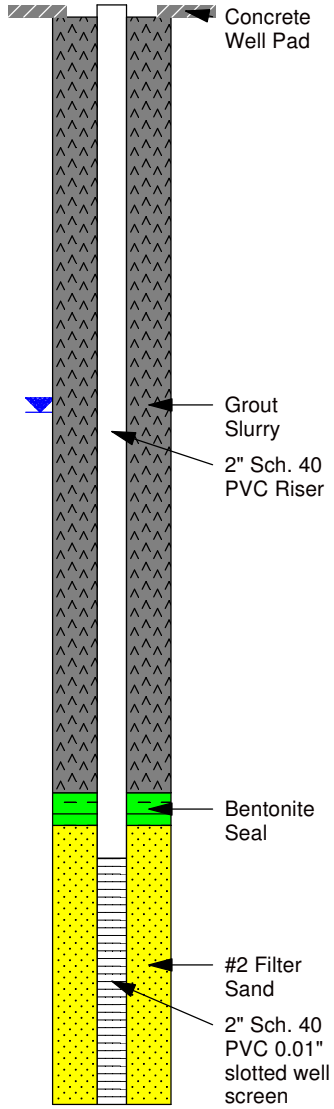
DRILLER: Dean Bryant **NORTH:** NA **EAST:** NA

GROUND SURFACE ELEVATION: 87.38' **GWL DATE/TIME:** 6/1/10 **GWL DEPTH:** 24.83'

DRILLING METHOD: 6 1/4" ID HOLLOW STEM AUGER **DRILL EQUIP:** Canterra 250 **CHECKED BY:** MTC

CONTRACTOR: Mad Dawg Inc.

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	WELL CONSTRUCTION
85.0	0	HA		100		Silty Sand: Abundant silt, dark orangish-red, fine to medium grain	SM		Concrete Well Pad
80.0	-5	Air		10		Silt: Soft	ML		
75.0	-10					Silt: Competent material at 10 ft, dark orangish-red			
70.0	-15								
65.0	-20								
60.0	-25					Silt: Very light grey to very pale yellow			Grout Slurry; 2" Sch. 40 PVC Riser
55.0	-30								
50.0	-35								
45.0	-40								
40.0	-45								
35.0	-50					Silt: Dark reddish-orange, micaceous, siltstone chips approximately 4-5 mm in diameter			Bentonite Seal
30.0	-55								
25.0	-60					Silt: Very light grey			#2 Filter Sand; 2" Sch. 40 PVC 0.01" slotted well screen
	-65					Silt: Dark orangish-red, very fine grained			
						Boring Terminated at 67 ft bgs			



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North Carolina Department of Environment and Natural Resources

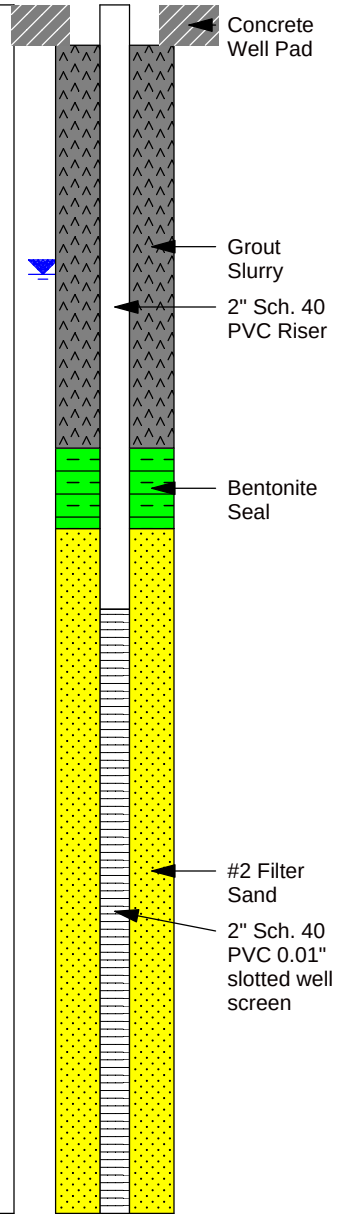
Well Installation Log - MW-11
Scott & Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: BLF
CHECKED BY: RHM
PROJECT NO: 38854476
SHEET: Att. 10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 38854476 **BORING NO:** MW-12 **PROJECT NAME:** Scott and Roberts
DATE BEGAN: 3/29/2010 **DATE FINISHED:** 3/29/2010 **FIELD ENGINEER:** Bryan Anderson
DRILLER: Dean Bryant **NORTH:** **EAST:**
GROUND SURFACE ELEVATION: 69.63' **GWL DATE/TIME:** 4/2/10; 0945 **GWL DEPTH:** 6.69' bgs
DRILLING METHOD: Air **DRILL EQUIP:** Air Rig **CHECKED BY:** RHM
CONTRACTOR: Mad Dawg Inc.

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	Color-Tec (ppm)	WELL CONSTRUCTION
	0	Hand Auger		100		Asphalt				Concrete Well Pad
						Silty Clay: Brownish-Red w/ some sand	CL			
65.0	-5	Air		10		Silt: Medium Brown, very fine	ML			Grout Slurry; 2" Sch. 40 PVC Riser
60.0	-10					Silt: Yellowish-Brown, very fine				Bentonite Seal
						Silt: Pink/Light Red; fine to very fine				
55.0	-15					Silt: Dark Yellowish-Orange; very fine				
50.0	-20					Silt: Medium Brownish-Red; very fine				#2 Filter Sand; 2" Sch. 40 PVC 0.01" slotted well screen
45.0	-25					Sandy Silt: Grey/Light Grey; very fine to fine; wet @ 30'				
40.0	-30					Boring Terminated @ 30' bgs				



URS

NCDENR
North Carolina Department of Environment and Natural Resources

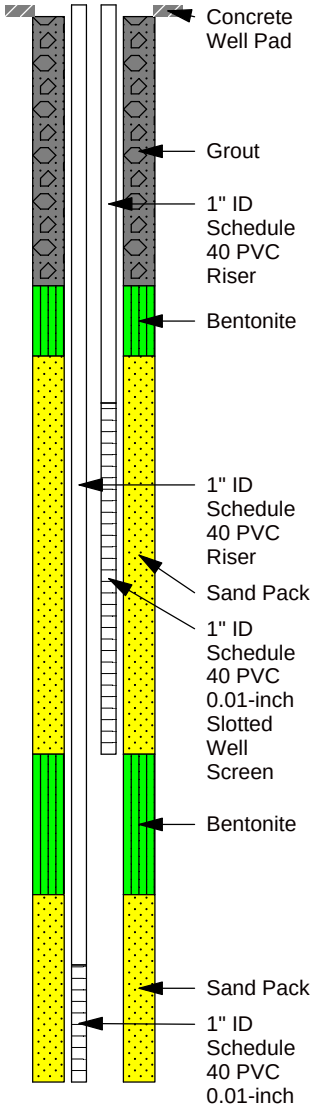
Well Installation Log MW-12
Scott and Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: KNM
CHECKED BY: RHM
PROJECT NO: 38854476
SHEET: Att.10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 38854419
BORING NO: MW-13S/D
PROJECT NAME: Scott & Roberts
DATE BEGAN: 3/30/10
DATE FINISHED: 3/30/10
FIELD ENGINEER: Bryan Anderson
DRILLER: Dean Bryant
NORTH:
EAST:
GROUND SURFACE ELEVATION: 100.33'
GWL DATE/TIME: 4/2/10; 1030
GWL DEPTH: 13.77' bgs
DRILLING METHOD: Air
DRILL EQUIP: Air Rig
CHECKED BY: RHM
CONTRACTOR: Mad Dawg Inc.

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	Color-Tec (ppm)	WELL CONSTRUCTION
100.0	0	Hand Auger		100		Asphalt				Concrete Well Pad
						Clay: Dark Brown w/ SILT	CL			
95.0	-5	Air		10		Silt: Brown; fine to very fine; coarse rock fragments	ML			Grout
90.0	-10					Silt: Light Brown; fine to very fine; micaceous				1" ID Schedule 40 PVC Riser
85.0	-15					Silt: Dark Brown; fine to very fine; odor @ 13'				Bentonite
80.0	-20									1" ID Schedule 40 PVC Riser
75.0	-25					Silt: Dark Orange-Red				Sand Pack
70.0	-30									1" ID Schedule 40 PVC 0.01-inch Slotted Well Screen
65.0	-35					Silt: Light Brown; fine to very fine; micaceous				Bentonite
60.0	-40					Silt: Light Grey; fine to very fine; micaceous				Sand Pack
55.0	-45					Boring Terminated @ 46' bgs				1" ID Schedule 40 PVC 0.01-inch Slotted Well Screen



URS

NCDENR
North Carolina Department of Environment and Natural Resources

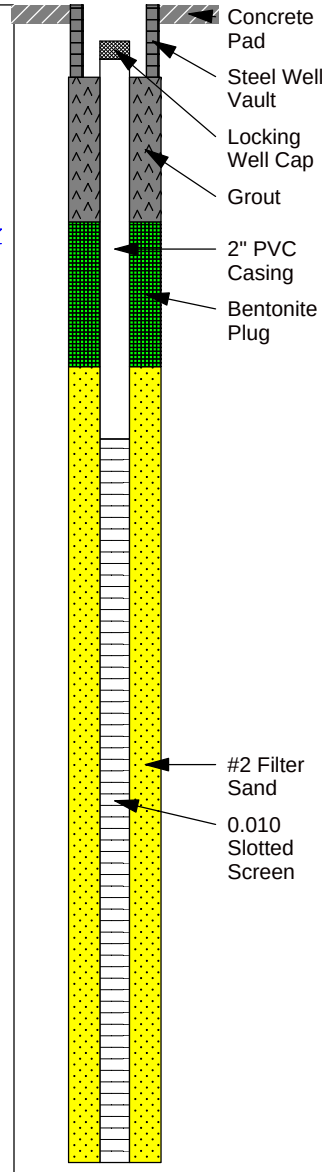
Soil Boring/Well Installation Log - MW-13S/D
Scott & Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: KNM
CHECKED BY: RHM
PROJECT NO: 38854419
SHEET: Att. 10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 31839314
BORING NO: MW-14
PROJECT NAME: Scott and Roberts
DATE BEGAN: 02/11/15
DATE FINISHED: 02/11/15
FIELD ENGINEER: JEW
DRILLER: Nick Hayes
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: 02/11/15; 1300
GWL DEPTH: 3.30' bgs
DRILLING METHOD: Auger/Air Rotary
DRILL EQUIP: Drillmax 2400
CHECKED BY: CES
CONTRACTOR: GEX

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	PID (ppm)	Appx Water Level	WELL CONSTRUCTION
0.0	0	Hand Auger		100		Asphalt		NA		Concrete Pad
						Fill: Gravel and silt fill	CL			Steel Well Vault
						Clay: Light brown, firm, moist				Locking Well Cap
						Silty Clay: Light grey, w/ mica, moist				Grout
						Clayey Silt: Light brown silty clay to clayey silt, moist, tight	ML			2" PVC Casing
-5.0	-5	Auger								Bentonite Plug
-10.0	-10	Air		10		Silt: Light grey, tight, very moist.				#2 Filter Sand
-15.0	-15					Boring Terminated @ 16' bgs				0.010 Slotted Screen



URS

NCDENR
North Carolina Department of Environment and Natural Resources

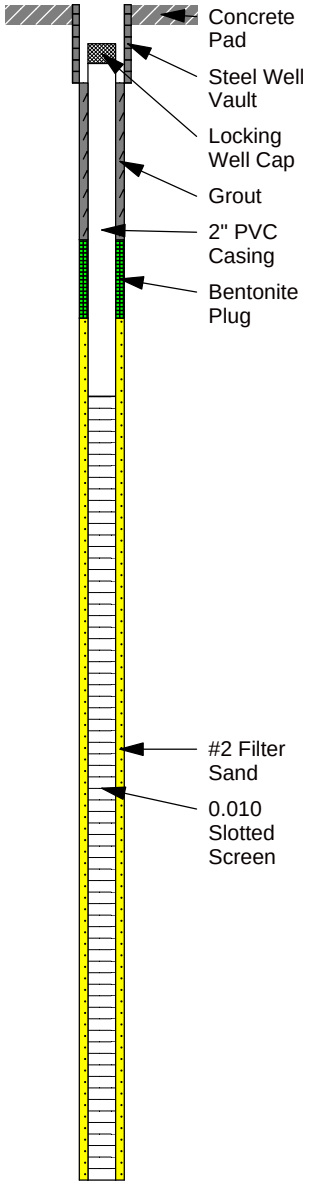
Well Installation Log MW-14
Scott and Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID#32-0011

DRAWN BY: JEW
CHECKED BY: CES
PROJECT NO: 31839314
SHEET: Att.10

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 60447474
BORING NO: MW-15
PROJECT NAME: Scott and Roberts
DATE BEGAN: 2/26/16
DATE FINISHED: 2/26/16
FIELD ENGINEER: JEW
DRILLER: Paul McVeigh
NORTH: NM
EAST: NM
GROUND SURFACE ELEVATION:
GWL DATE/TIME: NM
GWL DEPTH: NM
DRILLING METHOD: 3 1/4 Hollow Stem Auger
DRILL EQUIP: Geoprobe 6220 DT
CHECKED BY: CES
CONTRACTOR: GEX

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)
0.0	0	Hand Auger				Silty Clay: Dark brown, firm, with brick and debris		
						Clay: Light brown and orange, firm, moist	CL	
-5.0	-5							
		3 1/4 HSA	MW-15 (3/4/16)	100		Clayey Silt: Light to dark brown, slightly moist	ML	0.0 ppm
-10.0	-10					Clayey Silt: Light brown with fine grained sand, slightly moist		
-15.0	-15					Boring terminated @ 15' bgs		



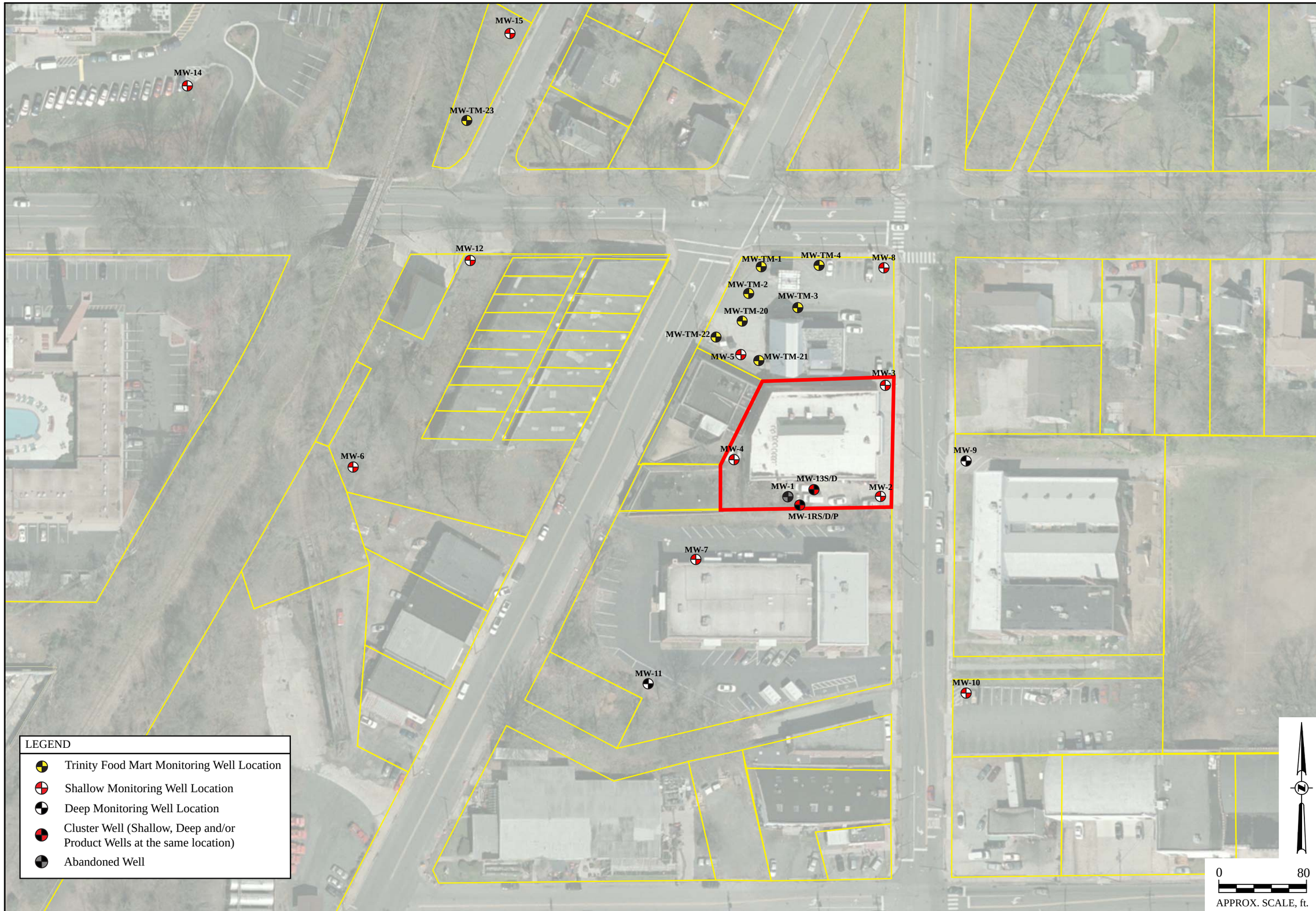
URS

NC Environmental Quality

Well Installation Log MW-15
Scott and Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID# DC320011

DRAWN BY: JEW
CHECKED BY: CES
PROJECT NO: 60447474
SHEET: Att.10

ATTACHMENT 14
MONITORING WELL LOCATION MAP



Monitoring Well Location Map
Scott & Roberts Cleaners
733 Foster Street
Durham, NC
DSCA Site # DC320011

URS CORPORATION - NORTH CAROLINA
TWO SOUTH EXECUTIVE PARK
6000 FAIRVIEW ROAD, SUITE 200
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0063

URS

NC Environmental Quality

DRAWN BY: CES - 3/10/16
CHECKED BY: JA - 3/10/16
PROJECT NO.: 60447474

SHEET: ATT. 14

ATTACHMENT 15
WELL COMPLETION RECORDS

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2556-A

1. WELL CONTRACTOR:

Roland Dean Bryant
Well Contractor (Individual) Name

Mad Dawg, Inc.
Well Contractor Company Name

PO Box 398
Street Address

Iron Station NC 28080
City or Town State Zip Code

(704) 732-0213
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# N/A

OTHER ASSOCIATED PERMIT#(if applicable) N/A

SITE WELL ID #(if applicable) N/A

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐

Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐

Irrigation ☐ Other ☐ (list use) _____

DATE DRILLED 3/31/10

4. WELL LOCATION:

733 Foster Street, 27701
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Durham COUNTY Durham

TOPOGRAPHIC / LAND SETTING: (check appropriate box)

☐ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other _____

LATITUDE 36 36 . 00 . 274 " DMS OR 3x.xxxxxxxxx DD

LONGITUDE 75 78 . 54 . 081 " DMS OR 7x.xxxxxxxxx DD

Latitude/longitude source: ☑ GPS ☐ Topographic map

(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Scott + Roberts Cleaners DSCA #32-0011
Facility Name Facility ID# (if applicable)

733 Foster Street
Street Address

Durham NC 27701
City or Town State Zip Code

NC DEHNR/DSCA Program
Contact Name

401 Oberlin Rd., Suite 150
Mailing Address

Raleigh NC 27605
City or Town State Zip Code

(919) 807-6300
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 50'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☑ NO ☑

c. **WATER LEVEL** Below Top of Casing: N/A FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** N/A **METHOD OF TEST** N/A

f. **DISINFECTION: Type** N/A **Amount** N/A

g. **WATER ZONES** (depth):

Top N/A Bottom _____ Top _____ Bottom _____
Top _____ Bottom _____ Top _____ Bottom _____
Top _____ Bottom _____ Top _____ Bottom _____

7. CASING:

Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 40 Ft.	2"	sch 40	PVC
Top 0	Bottom 15 Ft.	2"	sch 40	PVC
Top 0	Bottom 4 Ft.	2"	sch 40	PVC

8. GROUT:

Depth		Material	Method
Top 0	Bottom 1 Ft.	Portland	Tremmie
Top 35	Bottom 38 Ft.	Bentonite	Pour
Top 10	Bottom 13 Ft.	Bentonite	Pour
1	3	Bentonite	Pour

9. SCREEN:

Depth		Diameter	Slot Size	Material
Top 40	Bottom 50 Ft.	2 in.	.10 in.	PVC
Top 15	Bottom 35 Ft.	2 in.	.10 in.	PVC
Top 4	Bottom 10 Ft.	2 in.	.10 in.	PVC

10. SAND/GRAVEL PACK:

Depth		Size	Material
Top 38	Bottom 50 Ft.	#2	silica
Top 13	Bottom 35 Ft.	#2	silica
Top 3	Bottom 10 Ft.	#2	silica

11. DRILLING LOG

Top	Bottom	Formation Description

12. REMARKS: MW-1R

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

[signature] 3/31/10
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

Roland Dean Bryant
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

MW-2

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # A-2213

1. WELL CONTRACTOR:

Barry McAlpin
Well Contractor (Individual) Name

Mad Dawg INC
Well Contractor Company Name

PO Box 398
Street Address

Iron Station N.C. 28080
City or Town State Zip Code

(704) 732-0213
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT#

OTHER ASSOCIATED PERMIT#(if applicable)

SITE WELL ID #(if applicable)

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)

DATE DRILLED 11-9-09

4. WELL LOCATION:

733 Foster St.
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Durham COUNTY Durham

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☐Slope ☐Valley ☐Flat ☑Ridge ☐Other

LATITUDE 36 ° ' " DMS **OR** 3x.xxxxxxxxx DD

LONGITUDE 75 ° ' " DMS **OR** 7x.xxxxxxxxx DD

Latitude/longitude source: ☐GPS ☐Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Scott & Roberts
Facility Name Facility ID# (if applicable)

733 Foster Ave
Street Address

Durham N.C.
City or Town State Zip Code

Mike Cheng
Contact Name

6135 Park South Dr. Suite 300
Mailing Address

Charlotte N.C. 28210
City or Town State Zip Code

(704) 522-0330
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 36'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☒

c. **WATER LEVEL** Below Top of Casing: — FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** — FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** — **METHOD OF TEST**

f. **DISINFECTION: Type** — **Amount**

g. **WATER ZONES** (depth):
Top 25 Bottom Top Bottom
Top Bottom Top Bottom
Top Bottom Top Bottom

7. CASING:

Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 21 Ft.	2"		PVC
Top	Bottom Ft.			
Top	Bottom Ft.			

8. GROUT:

Depth		Material	Method
Top 0	Bottom 17 Ft.	cement	poured
Top	Bottom Ft.		
Top	Bottom Ft.		

9. SCREEN:

Depth		Diameter	Slot Size	Material
Top 21	Bottom 36 Ft.	2 in.	1010 in.	PVC
Top	Bottom Ft.	in.	in.	
Top	Bottom Ft.	in.	in.	

10. SAND/GRAVEL PACK:

Depth		Size	Material
Top 19	Bottom 36 Ft.	#2	sand
Top	Bottom Ft.		
Top	Bottom Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0	36	Brown Triassic

12. REMARKS: MW-2

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Barry McAlp 11/9/09
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

BARRY McALPIN
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

MW-3

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # A-2213

1. WELL CONTRACTOR:

Barry McAlpin
Well Contractor (Individual) Name

Mad Dawg Enc.
Well Contractor Company Name

PO Box 398
Street Address

Iron Station N.C. 28080
City or Town State Zip Code

(704) 732-0213
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT#

OTHER ASSOCIATED PERMIT#(if applicable)

SITE WELL ID #(if applicable)

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)

DATE DRILLED 11/9/09

4. WELL LOCATION:

733 Foster St
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Durham COUNTY Durham

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☐Slope ☐Valley ☑Flat ☑Ridge ☐Other

LATITUDE 36 ° ' " DMS **OR** 3x.xxxxxxxxx DD

LONGITUDE 75 ° ' " DMS **OR** 7x.xxxxxxxxx DD

Latitude/longitude source: ☐GPS ☐Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Scott & Roberts
Facility Name Facility ID# (if applicable)

733 Foster Ave
Street Address

Durham N.C.
City or Town State Zip Code

Mike Chang
Contact Name

6135 Park South Dr. Suite 300
Mailing Address

Charlotte N.C. 28210
City or Town State Zip Code

(704) 522-0330
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 36'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☑

c. **WATER LEVEL** Below Top of Casing: — FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** — FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** — **METHOD OF TEST**

f. **DISINFECTION: Type** — **Amount**

g. **WATER ZONES** (depth):

Top 26	Bottom	Top	Bottom
Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom

7. CASING:

Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 21 Ft.	2"		PVC
Top	Bottom Ft.			
Top	Bottom Ft.			

8. GROUT:

Depth		Material	Method
Top 0	Bottom 17 Ft.	cement	poured
Top	Bottom Ft.		
Top	Bottom Ft.		

9. SCREEN:

Depth		Diameter	Slot Size	Material
Top 21	Bottom 36 Ft.	2 in.	.010 in.	PVC
Top	Bottom Ft.	in.	in.	
Top	Bottom Ft.	in.	in.	

10. SAND/GRAVEL PACK:

Depth		Size	Material
Top 19	Bottom 36 Ft.	#2	sand
Top	Bottom Ft.		
Top	Bottom Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0	36	Brown triasic

12. REMARKS: MW3

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Barry McAlpin 11/9/09
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

BARRY McALPIN
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

MW-4

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # A-2213

1. WELL CONTRACTOR:

BARRY McALPIN
Well Contractor (Individual) Name

Mad Dawg INC.
Well Contractor Company Name

P.O Box 398
Street Address

Iron Station N.C. 28080
City or Town State Zip Code

(704) 732-0213
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT#

OTHER ASSOCIATED PERMIT#(if applicable)

SITE WELL ID #(if applicable)

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)

DATE DRILLED 11/10/09

4. WELL LOCATION:

733 Foster St.
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Durham COUNTY Durham

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☑ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

LATITUDE 36 ° ' " DMS **OR** 3x.xxxxxxxxx DD

LONGITUDE 75 ° ' " DMS **OR** 7x.xxxxxxxxx DD

Latitude/longitude source: ☐ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Scott + Roberts
Facility Name Facility ID# (if applicable)

733 Foster Ave
Street Address

Durham N.C.
City or Town State Zip Code

Mike Chang
Contact Name

6135 Park South Dr Suite 300
Mailing Address

Charlotte N.C. 28210
City or Town State Zip Code

(704) 522-0330
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 30'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☑

c. **WATER LEVEL** Below Top of Casing: — FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** — FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** — **METHOD OF TEST**

f. **DISINFECTION: Type** — **Amount**

g. **WATER ZONES** (depth):

Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom

7. CASING:

Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 15 Ft.	2"		PVC
Top	Bottom Ft.			
Top	Bottom Ft.			

8. GROUT:

Depth		Material	Method
Top 0	Bottom 11 Ft.	cement	poured
Top	Bottom Ft.		
Top	Bottom Ft.		

9. SCREEN:

Depth		Diameter	Slot Size	Material
Top 15	Bottom 30 Ft.	2" in.	1010 in.	PVC
Top	Bottom Ft.	in.	in.	
Top	Bottom Ft.	in.	in.	

10. SAND/GRAVEL PACK:

Depth		Size	Material
Top 13	Bottom 30 Ft.	2	Sand
Top	Bottom Ft.		
Top	Bottom Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0	30	Brown tricesic

12. REMARKS: MW4

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Barry McAlpin 11/10/09
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

BARRY McALPIN
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

MW-5

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # A-2213

1. WELL CONTRACTOR:

Barry McAlpin
Well Contractor (Individual) Name

Mad Dawg Inc.
Well Contractor Company Name

P.O Box 398
Street Address

Iron Station N.C. 28080
City or Town State Zip Code

(704) 732-0213
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT#

OTHER ASSOCIATED PERMIT#(if applicable)

SITE WELL ID #(if applicable)

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)

DATE DRILLED 11/10/09

4. WELL LOCATION:

733 Foster Ave
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Durham COUNTY Durham

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☑ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

LATITUDE 36 ° ' " DMS **OR** 3X.XXXXXXXXX DD

LONGITUDE 75 ° ' " DMS **OR** 7X.XXXXXXXXX DD

Latitude/longitude source: ☐ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Scott & Roberts
Facility Name Facility ID# (if applicable)

733 Foster Ave
Street Address

Durham N.C.
City or Town State Zip Code

Mike Chang
Contact Name

6135 Park South Dr.
Mailing Address

Charlotte N.C. 28210
City or Town State Zip Code

(704) 522-0330
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 23'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☑

c. **WATER LEVEL** Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** — FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** — **METHOD OF TEST**

f. **DISINFECTION: Type** — **Amount**

g. **WATER ZONES** (depth):

Top 19	Bottom	Top	Bottom
Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom

7. CASING:

Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 13 Ft.	2"		PVC
Top	Bottom Ft.			
Top	Bottom Ft.			

8. GROUT:

Depth		Material	Method
Top 0	Bottom 9 Ft.	cement	poured
Top	Bottom Ft.		
Top	Bottom Ft.		

9. SCREEN:

Depth		Diameter	Slot Size	Material
Top 13	Bottom 23 Ft.	2 in.	.010 in.	PVC
Top	Bottom Ft.	in.	in.	
Top	Bottom Ft.	in.	in.	

10. SAND/GRAVEL PACK:

Depth		Size	Material
Top 11	Bottom 23 Ft.	2	Sand
Top	Bottom Ft.		
Top	Bottom Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0	23	Brown Triasic

12. REMARKS: MW-5

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Barry McAlpin 11/20/09
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

BARRY McALPIN
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

MW-6

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # A-2213

1. WELL CONTRACTOR:
Barry McAlpin
Well Contractor (Individual) Name
Mad Dawg Inc
Well Contractor Company Name
P.O. Box 398
Street Address
Iron Station N.C. 28080
City or Town State Zip Code
(704) 732-0213
Area code Phone number

2. WELL INFORMATION:
WELL CONSTRUCTION PERMIT#
OTHER ASSOCIATED PERMIT#(if applicable)
SITE WELL ID #(if applicable)

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)
DATE DRILLED 11/10/09

4. WELL LOCATION:
733 Foster Ave
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)
CITY: Durham COUNTY Durham
TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☐Slope ☑Valley ☐Flat ☐Ridge ☐Other
LATITUDE 36 ° ' " DMS **OR** 3x.xxxxxxxxx DD
LONGITUDE 75 ° ' " DMS **OR** 7x.xxxxxxxxx DD
Latitude/longitude source: ☐GPS ☐Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)
Scott & Roberts
Facility Name Facility ID# (if applicable)
733 Foster Ave
Street Address
Durham N.C.
City or Town State Zip Code
Mike Chang
Contact Name
6135 Park South Dr
Mailing Address
Charlotte N.C. 28210
City or Town State Zip Code
(704) 522-0330
Area code Phone number

6. WELL DETAILS:
a. **TOTAL DEPTH:**
b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☑
c. **WATER LEVEL** Below Top of Casing: FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** — FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.
e. **YIELD (gpm):** — **METHOD OF TEST**
f. **DISINFECTION: Type** — **Amount**
g. **WATER ZONES** (depth):
Top 7 Bottom Top Bottom
Top Bottom Top Bottom
Top Bottom Top Bottom

7. CASING:

Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 5 Ft.	2"		PVC
Top	Bottom Ft.			
Top	Bottom Ft.			

8. GROUT:

Depth		Material	Method
Top 0	Bottom 1 Ft.	cement	poured
Top	Bottom Ft.		
Top	Bottom Ft.		

9. SCREEN:

Depth		Diameter	Slot Size	Material
Top	Bottom Ft.	in.	in.	
Top 5	Bottom 15 Ft.	2 in.	010 in.	PVC
Top	Bottom Ft.	in.	in.	

10. SAND/GRAVEL PACK:

Depth		Size	Material
Top 3	Bottom 15 Ft.	2	Sand
Top	Bottom Ft.		
Top	Bottom Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0	15	triasic - brown

12. REMARKS: MW-6

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Barry McAlpin 11/10/09
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

Barry McAlpin
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

MW-7

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # A-2213

1. WELL CONTRACTOR:
Barry McAlpin
Well Contractor (Individual) Name
Mad Dawg Inc.
Well Contractor Company Name
P.O. Box 398
Street Address
Iron Station N.C. 28080
City or Town State Zip Code
(704) 732-0213
Area code Phone number

2. WELL INFORMATION:
WELL CONSTRUCTION PERMIT#
OTHER ASSOCIATED PERMIT#(if applicable)
SITE WELL ID #(if applicable)

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)
DATE DRILLED 11/11/09

4. WELL LOCATION:
733 Foster Ave
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)
CITY: Durham COUNTY Durham
TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☐ Slope ☐ Valley ☑ Flat ☐ Ridge ☐ Other
LATITUDE 36 ° ' " DMS **OR** 3x.xxxxxxxxx DD
LONGITUDE 75 ° ' " DMS **OR** 7x.xxxxxxxxx DD
Latitude/longitude source: ☐ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)
Scott & Roberts
Facility Name Facility ID# (if applicable)
733 Foster Ave
Street Address
Durham N.C.
City or Town State Zip Code
Mike Chang
Contact Name
6135 ~~South~~ Park South Dr Ste 300
Mailing Address
Charlotte NC, 28210
City or Town State Zip Code
(704) 522-0330
Area code Phone number

6. WELL DETAILS:
a. **TOTAL DEPTH:** 30'
b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☑
c. **WATER LEVEL** Below Top of Casing: — FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** — FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.
e. **YIELD (gpm):** — **METHOD OF TEST**
f. **DISINFECTION: Type** **Amount**
g. **WATER ZONES** (depth):
Top 28 Bottom Top Bottom
Top Bottom Top Bottom
Top Bottom Top Bottom

7. CASING:	Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 15	Ft.	2"		PVC
Top	Bottom	Ft.			
Top	Bottom	Ft.			

8. GROUT:	Depth		Material	Method
Top 0	Bottom 11	Ft.	Cement	poured
Top	Bottom	Ft.		
Top	Bottom	Ft.		

9. SCREEN:	Depth		Diameter	Slot Size	Material
Top 15	Bottom 30	Ft.	2 in.	010 in.	PVC
Top	Bottom	Ft.	in.	in.	
Top	Bottom	Ft.	in.	in.	

10. SAND/GRAVEL PACK:	Depth		Size	Material
Top 13	Bottom 30	Ft.	2	Sand
Top	Bottom	Ft.		
Top	Bottom	Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0	30	Brown triasic

12. REMARKS: MW 7

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.
Barry McAlpin 11/11/09
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE
Barry McAlpin
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2556-A

1. WELL CONTRACTOR:

Roland Dean Bryant
Well Contractor (Individual) Name

Mad Dawg, Inc.
Well Contractor Company Name

PO Box 398
Street Address

Iron Station NC 28080
City or Town State Zip Code

(704) 732-0213
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# N/A

OTHER ASSOCIATED PERMIT#(if applicable) N/A

SITE WELL ID #(if applicable) N/A

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐ Irrigation ☐ Other ☐ (list use)

DATE DRILLED 3/30/10

4. WELL LOCATION:

733 Foster Street, 27701
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Durham COUNTY Durham

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☐ Slope ☐ Valley ☒ Flat ☐ Ridge ☐ Other

LATITUDE 36 36 . 00 . 318 " DMS OR 3x.xxxxxxxxx DD

LONGITUDE 75 78 . 54 . 0 81 " DMS OR 7x.xxxxxxxxx DD

Latitude/longitude source: ☑ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Scott + Roberts Dry Cleaners
Facility Name Facility ID# (if applicable)

733 Foster Street
Street Address

Durham NC 27701
City or Town State Zip Code

NCDENR/DSCA Program DSCA #32-0011
Contact Name

401 Oberlin Rd., Suite 150
Mailing Address

Raleigh NC 27605
City or Town State Zip Code

(919) 807-6300
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 23'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☑

c. **WATER LEVEL** Below Top of Casing: N/A FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** N/A **METHOD OF TEST** N/A

f. **DISINFECTION: Type** N/A **Amount** N/A

g. **WATER ZONES** (depth):

Top N/A	Bottom	Top	Bottom
Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom

7. CASING:

Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 13	Ft. 2	sch 40	PVC
Top	Bottom	Ft.	sch 40	PVC
Top	Bottom	Ft.		

8. GROUT:

Depth		Material	Method
Top 0	Bottom 9	Ft. Portland	Tremmie
Top 9	Bottom 11	Ft. Bentonite	Pour
Top	Bottom	Ft.	

9. SCREEN:

Depth		Diameter	Slot Size	Material
Top 13	Bottom 23	Ft. 2 in.	.10 in.	PVC
Top	Bottom	Ft. in.	in.	
Top	Bottom	Ft. in.	in.	

10. SAND/GRAVEL PACK:

Depth		Size	Material
Top 11	Bottom 23	Ft. #2	silica
Top	Bottom	Ft.	
Top	Bottom	Ft.	

11. DRILLING LOG

Top	Bottom	Formation Description

12. REMARKS: MW-8

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE 3/31/10

Roland Dean Bryant
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2556-A

1. WELL CONTRACTOR:

Roland Dean Bryant
Well Contractor (Individual) Name

Mad Dawg, Inc.
Well Contractor Company Name

PO Box 398
Street Address

Iron Station NC 28080
City or Town State Zip Code

(704) 732-0213
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# N/A

OTHER ASSOCIATED PERMIT#(if applicable) N/A

SITE WELL ID #(if applicable) N/A

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use) _____

DATE DRILLED 3/27/10

4. WELL LOCATION:

733 Foster Street, 27701
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Durham COUNTY Durham

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☐ Slope ☐ Valley ☑ Flat ☐ Ridge ☐ Other _____

LATITUDE 36 36 · 00 295 " DMS OR 3x.xxxxxxxxx DD

LONGITUDE 75 78 · 54 · 091 " DMS OR 7x.xxxxxxxxx DD

Latitude/longitude source: ☑ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Scott + Roberts Cleaners DSCA# 32-0511
Facility Name Facility ID# (if applicable)

733 Foster Street
Street Address

Durham NC 27701
City or Town State Zip Code

NCDEHNR / DSCA Program
Contact Name

401 Oberlin Rd., Suite 150
Mailing Address

Raleigh NC 27605
City or Town State Zip Code

(919) 807-6300
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 60'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☑

c. **WATER LEVEL** Below Top of Casing: N/A FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** N/A **METHOD OF TEST** N/A

f. **DISINFECTION: Type** N/A **Amount** N/A

g. **WATER ZONES** (depth):

Top N/A	Bottom	Top	Bottom
Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom

7. CASING:

Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 45 Ft.	2"	sch 40	PVC
Top	Bottom Ft.		sch 40	PVC
Top	Bottom Ft.			

8. GROUT:

Depth		Material	Method
Top 0	Bottom 41 Ft.	Portland	Tremmie
Top 41	Bottom 43 Ft.	Bentonite	Pour
Top	Bottom Ft.		

9. SCREEN:

Depth		Diameter	Slot Size	Material
Top 45	Bottom 60 Ft.	2 in.	.10 in.	PVC
Top	Bottom Ft.	in.	in.	
Top	Bottom Ft.	in.	in.	

10. SAND/GRAVEL PACK:

Depth		Size	Material
Top 43	Bottom 60 Ft.	# 2	silica
Top	Bottom Ft.		
Top	Bottom Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description

12. REMARKS: MW-9

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE 3/31/10

Roland Dean Bryant
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2556-A

1. WELL CONTRACTOR:

Roland Dean Bryant
Well Contractor (Individual) Name

Mad Dawg, Inc.
Well Contractor Company Name

PO Box 398
Street Address

Iron Station NC 28080
City or Town State Zip Code

(704) 732-0213
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# N/A

OTHER ASSOCIATED PERMIT#(if applicable) N/A

SITE WELL ID #(if applicable) N/A

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐

Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐

Irrigation ☐ Other ☐ (list use) _____

DATE DRILLED 3/30/10

4. WELL LOCATION:

733 Foster Street, 27701
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Durham COUNTY Durham

TOPOGRAPHIC / LAND SETTING: (check appropriate box)

☐Slope ☐Valley ☑Flat ☐Ridge ☐Other_____

LATITUDE 36 56 · 00 · 258 " DMS OR 3x.xxxxxxxxx DD

LONGITUDE 75 78 · 54 · 083 " DMS OR 7x.xxxxxxxxx DD

Latitude/longitude source: ☑GPS ☐Topographic map

(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Scott + Roberts Cleaners DSCA#32-0011
Facility Name Facility ID# (if applicable)

733 Foster Street
Street Address

Durham NC 27701
City or Town State Zip Code

NCDEHNR/ DSCA Program
Contact Name

401 Oberlin Rd., Suite 150
Mailing Address

Raleigh NC 27605
City or Town State Zip Code

(919) 807-6300
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 24'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☑

c. **WATER LEVEL** Below Top of Casing: N/A FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** N/A **METHOD OF TEST** N/A

f. **DISINFECTION: Type** N/A **Amount** N/A

g. **WATER ZONES** (depth):

Top N/A Bottom _____ Top _____ Bottom _____
Top _____ Bottom _____ Top _____ Bottom _____
Top _____ Bottom _____ Top _____ Bottom _____

7. CASING:

	Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 19	Ft.	2"	sch 40	PVC
Top	Bottom	Ft.		sch 40	PVC
Top	Bottom	Ft.			

8. GROUT:

	Depth		Material	Method
Top 0	Bottom 15	Ft.	Portland	Tremmie
Top 15	Bottom 17	Ft.	Bentonite	Pour
Top	Bottom	Ft.		

9. SCREEN:

	Depth		Diameter	Slot Size	Material
Top 19	Bottom 24	Ft.	2 in.	.10 in.	PVC
Top	Bottom	Ft.	in.	in.	
Top	Bottom	Ft.	in.	in.	

10. SAND/GRAVEL PACK:

	Depth		Size	Material
Top 17	Bottom 24	Ft.	#2	silica
Top	Bottom	Ft.		
Top	Bottom	Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description

12. REMARKS: MW-10

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR 3/31/10 DATE

Roland Dean Bryant
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2556-A

1. WELL CONTRACTOR:

Roland Dean Bryant
Well Contractor (Individual) Name

Mad Dawg, Inc.
Well Contractor Company Name

PO Box 398
Street Address

Iron Station NC 28080
City or Town State Zip Code

(704) 732-0213
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# N/A

OTHER ASSOCIATED PERMIT#(if applicable) N/A

SITE WELL ID #(if applicable) N/A

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐

Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐

Irrigation ☐ Other ☐ (list use) _____

DATE DRILLED 5/24/10

4. WELL LOCATION:

733 Foster st
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Durham COUNTY Durham

TOPOGRAPHIC / LAND SETTING: (check appropriate box)

☐Slope ☐Valley ☑Flat ☐Ridge ☐Other_____

LATITUDE 36 ° 0 ' 15.73 " DMS **OR** 3x.xxxxxxxx DD

LONGITUDE 78 ° 54 ' 08.29 " DMS **OR** 7x.xxxxxxxx DD

Latitude/longitude source: ☑GPS ☐Topographic map

(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Scott & Roberts Dry Cleaners 32-0011
Facility Name Facility ID# (if applicable)

733 Foster st
Street Address

Durham NC 27701
City or Town State Zip Code

Mike Chang
Contact Name

1600 Perimeter dr
Mailing Address

Morrisville NC 27560
City or Town State Zip Code

(704) 779-6386
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 67'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☑

c. **WATER LEVEL** Below Top of Casing: N/A FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** N/A **METHOD OF TEST** N/A

f. **DISINFECTION: Type** N/A **Amount** N/A

g. **WATER ZONES** (depth):

Top 63	Bottom	Top	Bottom
Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom

7. CASING:

Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 52	Ft. 2"	sch 40	PVC
Top	Bottom	Ft.	sch 40	PVC
Top	Bottom	Ft.		

8. GROUT:

Depth		Material	Method
Top 0	Bottom 48	Ft. Portland	POUR
Top 48	Bottom 50	Ft. Bentonite	POUR
Top	Bottom	Ft.	

9. SCREEN:

Depth		Diameter	Slot Size	Material
Top 52	Bottom 67'	Ft. 2 in.	.10 in.	PVC
Top	Bottom	Ft. in.	in.	
Top	Bottom	Ft. in.	in.	

10. SAND/GRAVEL PACK:

Depth		Size	Material
Top 50	Bottom 67'	Ft. #2	silica
Top	Bottom	Ft.	
Top	Bottom	Ft.	

11. DRILLING LOG

Top	Bottom	Formation Description
0	10'	Fill / clay red
10	24'	triasic basin material brown
24	67'	triasic basin material grey & brow

12. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR 5/25/10 DATE

Roland Dean Bryant
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2556-A

1. WELL CONTRACTOR:

Roland Dean Bryant
Well Contractor (Individual) Name

Mad Dawg, Inc.
Well Contractor Company Name

PO Box 398
Street Address

Iron Station NC 28080
City or Town State Zip Code

(704) 732-0213
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# N/A

OTHER ASSOCIATED PERMIT#(if applicable) N/A

SITE WELL ID #(if applicable) N/A

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐ Irrigation ☐ Other ☐ (list use)

DATE DRILLED 3/30/10

4. WELL LOCATION:

733 Foster Street, 27701
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Durham COUNTY Durham

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☐ Slope ☐ Valley ☒ Flat ☐ Ridge ☐ Other

LATITUDE 36 36 . 00 . 277 " DMS OR 3x.xxxxxxxxx DD

LONGITUDE 75 78 . 54 . 031 " DMS OR 7x.xxxxxxxxx DD

Latitude/longitude source: ☑ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Scott + Roberts Cleaners DSCA # 32-0011
Facility Name Facility ID# (if applicable)

733 Foster Street
Street Address

Durham NC 27701
City or Town State Zip Code

NCDEHNR/DSCA Program
Contact Name

401 Oberlin Rd., Suite 150
Mailing Address

Raleigh NC 27605
City or Town State Zip Code

(919) 807-6300
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 46'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☑

c. **WATER LEVEL** Below Top of Casing: N/A FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** N/A **METHOD OF TEST** N/A

f. **DISINFECTION: Type** N/A **Amount** N/A

g. **WATER ZONES** (depth):

Top N/A	Bottom	Top	Bottom
Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom

7. CASING:

Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 41 Ft.	2"	sch 40	PVC
Top 0	Bottom 17 Ft.	2"	sch 40	PVC
Top	Bottom Ft.			

8. GROUT:

Depth		Material	Method
Top 0	Bottom 12 Ft.	Portland	Tremmie
Top 12	Bottom 15 Ft.	Bentonite	Pour
Top 32	Bottom 38 Ft.	Bentonite	Pour

9. SCREEN:

Depth		Diameter	Slot Size	Material
Top 41	Bottom 46 Ft.	2 in.	.10 in.	PVC
Top 17	Bottom 32 Ft.	2 in.	.10 in.	PVC
Top	Bottom Ft.	in.	in.	

10. SAND/GRAVEL PACK:

Depth		Size	Material
Top 38	Bottom 46 Ft.	#2	silica
Top 15	Bottom 32 Ft.	#2	silica
Top	Bottom Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description

12. REMARKS: MW-13

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE 3/31/10

Roland Dean Bryant
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

NICHOLAS HAYES

Well Contractor Name

A - 4121

NC Well Contractor Certification Number

GEOLOGIC EXPLORATION, INC

Company Name

2. Well Construction Permit #: _____

List all applicable well construction permits (i.e. County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:

- ☐ Agricultural
- ☐ Municipal/Public
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Residential Water Supply (single)
- ☐ Industrial/Commercial
- ☐ Residential Water Supply (shared)
- ☐ Irrigation

Non-Water Supply Well:

- ☑ Monitoring
- ☐ Recovery

Injection Well:

- ☐ Aquifer Recharge
- ☐ Groundwater Remediation
- ☐ Aquifer Storage and Recovery
- ☐ Salinity Barrier
- ☐ Aquifer Test
- ☐ Stormwater Drainage
- ☐ Experimental Technology
- ☐ Subsidence Control
- ☐ Geothermal (Closed Loop)
- ☐ Tracer
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 02/11/15 **Well ID#** MW-14

5a. Well Location:

SCOTTS & ROBERTS CLEANERS

Facility/Owner Name

Facility ID# (if applicable)

733 FOSTER STREET DURHAM 27701

Physical Address, City, and Zip

DURHAM

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

36° 00' 20.97" N 78° 54' 13.24" W

6. Is (are) the well(s): ☑ **Permanent** or ☐ **Temporary**

7. Is this a repair to an existing well: ☐ **Yes** or ☑ **No**

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1

For multiple injection or non-water supply wells ONLY with the same construction, you can submit one form.

9. Total well depth below land surface: 15.0 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 8.0 **(ft.)**

If water level is above casing, use "+"

11. Borehole diameter: 6.0 **(in.)**

12. Well construction method: AIR ROTARY

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.0 ft.	5.0 ft.	2.0 in.	SCH 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
5.0 ft.	15.0 ft.	2.0 in.	.010	SCH 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0.0 ft.	3.0 ft.	PORTLAND BENTONITE	SLURRY
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
4.0 ft.	15.0 ft.	20-40	FINE SILICA SAND
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	7.0 ft.	BROWN CLAY
7.0 ft.	15.0 ft.	BROWN SILT STONE
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

BENTONITE SEAL FROM 3.0 TO 4.0 FEET

22. Certification:

Nicholas Hayes

Signature of Certified Well Contractor

02/13/15

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Quality, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

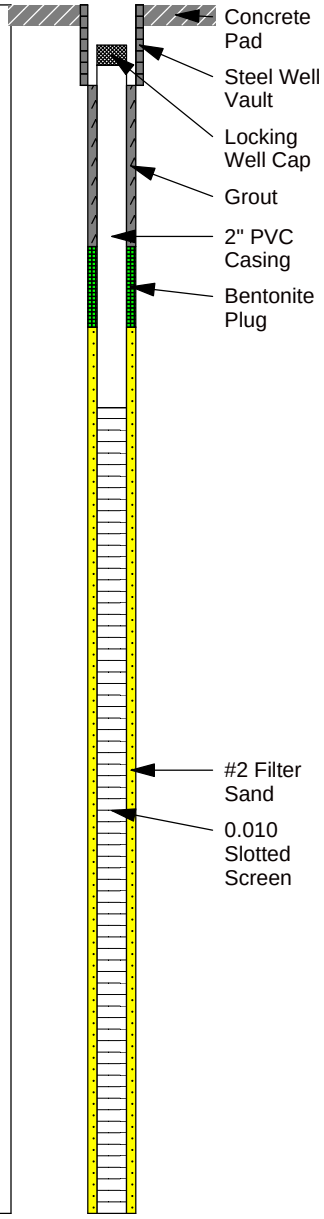
Division of Water Quality, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

URS LITHOLOGIC LOG / WELL CONSTRUCTION LOG

PROJECT NO: 60447474
BORING NO: MW-15
PROJECT NAME: Scott and Roberts
DATE BEGAN: 2/26/16
DATE FINISHED: 2/26/16
FIELD ENGINEER: JEW
DRILLER: Paul McVeigh
NORTH: NM
EAST: NM
GROUND SURFACE ELEVATION: 340.83'
GWL DATE/TIME: NM
GWL DEPTH: NM
DRILLING METHOD: 3 1/4" Hollow Stem Auger
DRILL EQUIP: Geoprobe 6220 DT
CHECKED BY: CES
CONTRACTOR: GEX

ELEV (FT.)	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (FT.)	PROFILE	DESCRIPTION	USCS	FID (ppm)	Color-Tec (ppm)	WELL CONSTRUCTION
0.0	0	Hand Auger		100		Silty Clay: Dark brown, firm, with brick and debris		0.0 ppm		Concrete Pad; Steel Well Vault; Locking Well Cap; Grout; 2" PVC Casing; Bentonite Plug
						Clay: Light brown and orange, firm, moist	CL			
-5.0	-5	3 1/4" HSA				Clayey Silt: Light to dark brown, slightly moist	ML			#2 Filter Sand; 0.010 Slotted Screen
-10.0	-10					Clayey Silt: Light brown with fine grained sand, slightly moist				
-15.0	-15					Boring terminated @ 15' bgs				



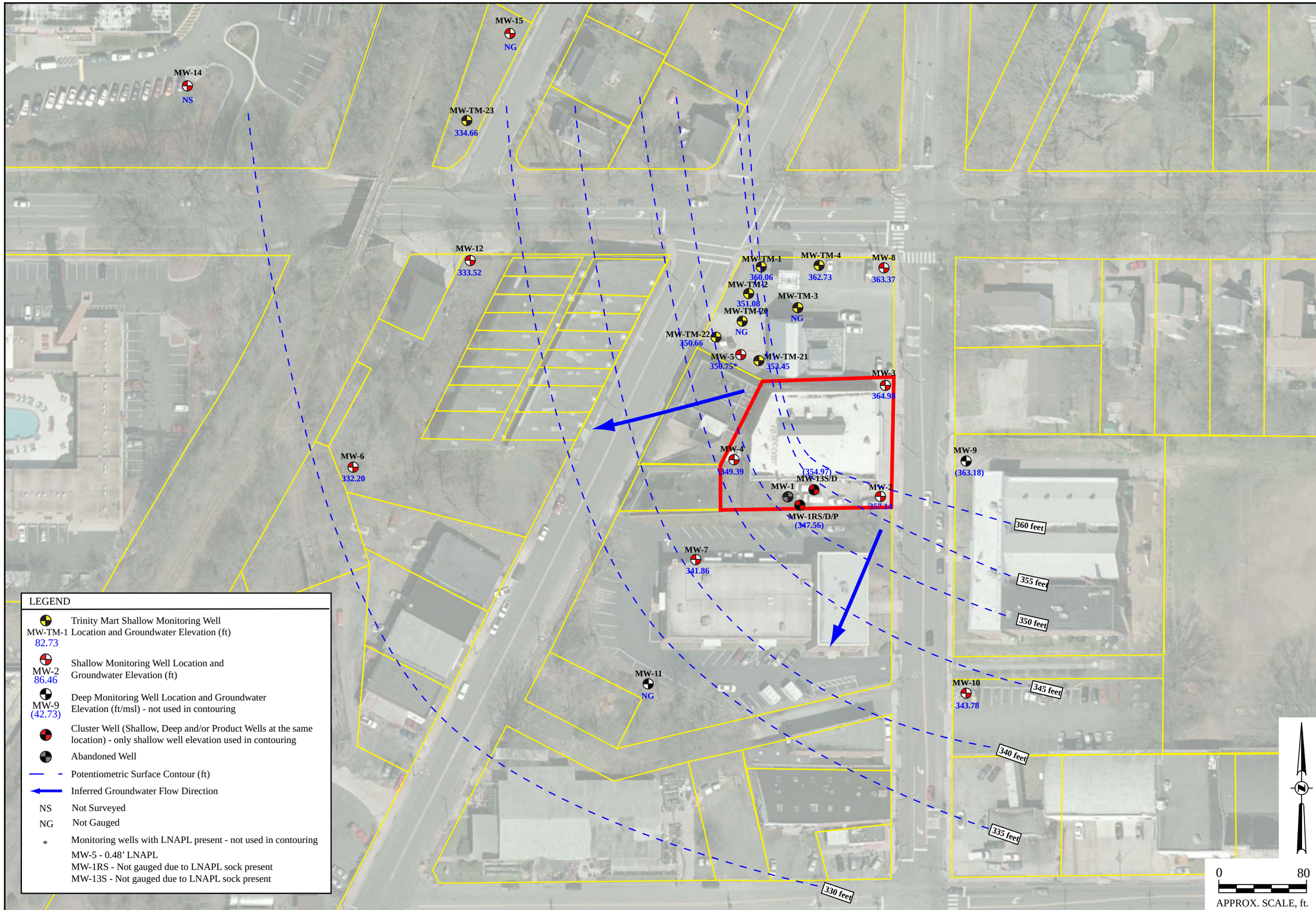
URS

Environmental Quality

Well Installation Log MW-15
Scott and Roberts Dry Cleaners
733 Foster Street
Durham, NC
DSCA Site ID# DC320011

DRAWN BY: JEW
CHECKED BY: CES
PROJECT NO: 60447474
SHEET: Att.10

ATTACHMENT 16
GROUNDWATER CONTOUR MAP



Shallow Potentiometric Surface Contour Map
February 25, 2016
Scott & Roberts Cleaners
733 Foster Street
Durham, NC
DSCA Site # DC320011

URS CORPORATION - NORTH CAROLINA
TWO SOUTH EXECUTIVE PARK
6000 FAIRVIEW ROAD, SUITE 200
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0063

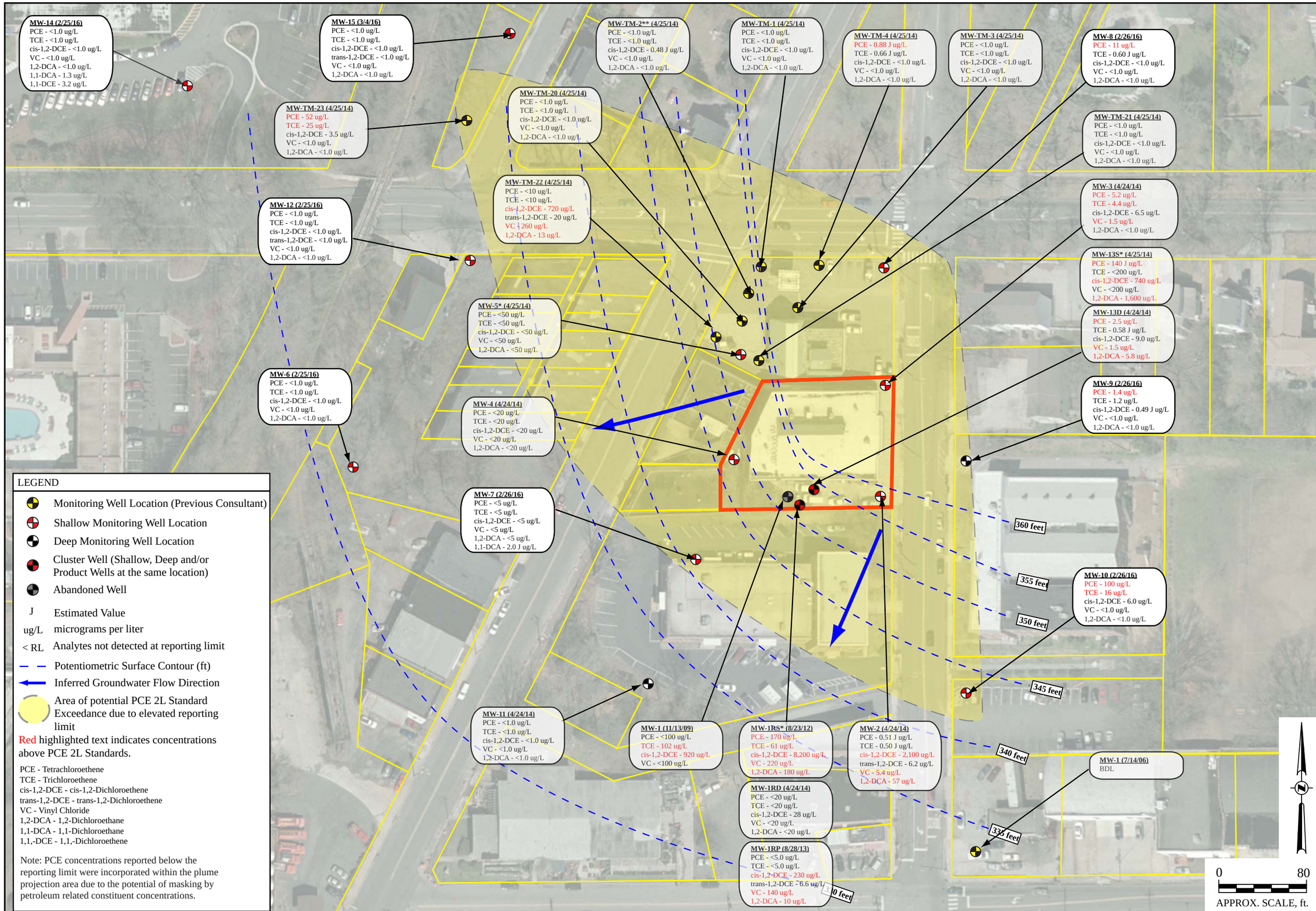
URS

NC Environmental Quality

DRAWN BY: CES - 3/10/16
CHECKED BY: JA - 3/10/16
PROJECT NO.: 60447474

SHEET: ATT. 16

ATTACHMENT 17
GROUNDWATER QUALITY MAPS



LEGEND

- Monitoring Well Location (Previous Consultant)
- Shallow Monitoring Well Location
- Deep Monitoring Well Location
- Cluster Well (Shallow, Deep and/or Product Wells at the same location)
- Abandoned Well
- J — Estimated Value
- ug/L — micrograms per liter
- < RL — Analytes not detected at reporting limit
- Potentiometric Surface Contour (ft)
- Inferred Groundwater Flow Direction
- Area of potential PCE 2L Standard Exceedance due to elevated reporting limit

Red highlighted text indicates concentrations above PCE 2L Standards.

PCE - Tetrachloroethene
TCE - Trichloroethene
cis-1,2-DCE - cis-1,2-Dichloroethene
trans-1,2-DCE - trans-1,2-Dichloroethene
VC - Vinyl Chloride
1,2-DCA - 1,2-Dichloroethane
1,1-DCA - 1,1-Dichloroethane
1,1,-DCE - 1,1,-Dichloroethene

Note: PCE concentrations reported below the reporting limit were incorporated within the plume projection area due to the potential of masking by petroleum related constituent concentrations.

Chlorinated Solvent Groundwater Quality Map
February 25-26, 2016
Scott & Roberts Cleaners
733 Foster Street
Durham, NC
DSCA Site #DC320011

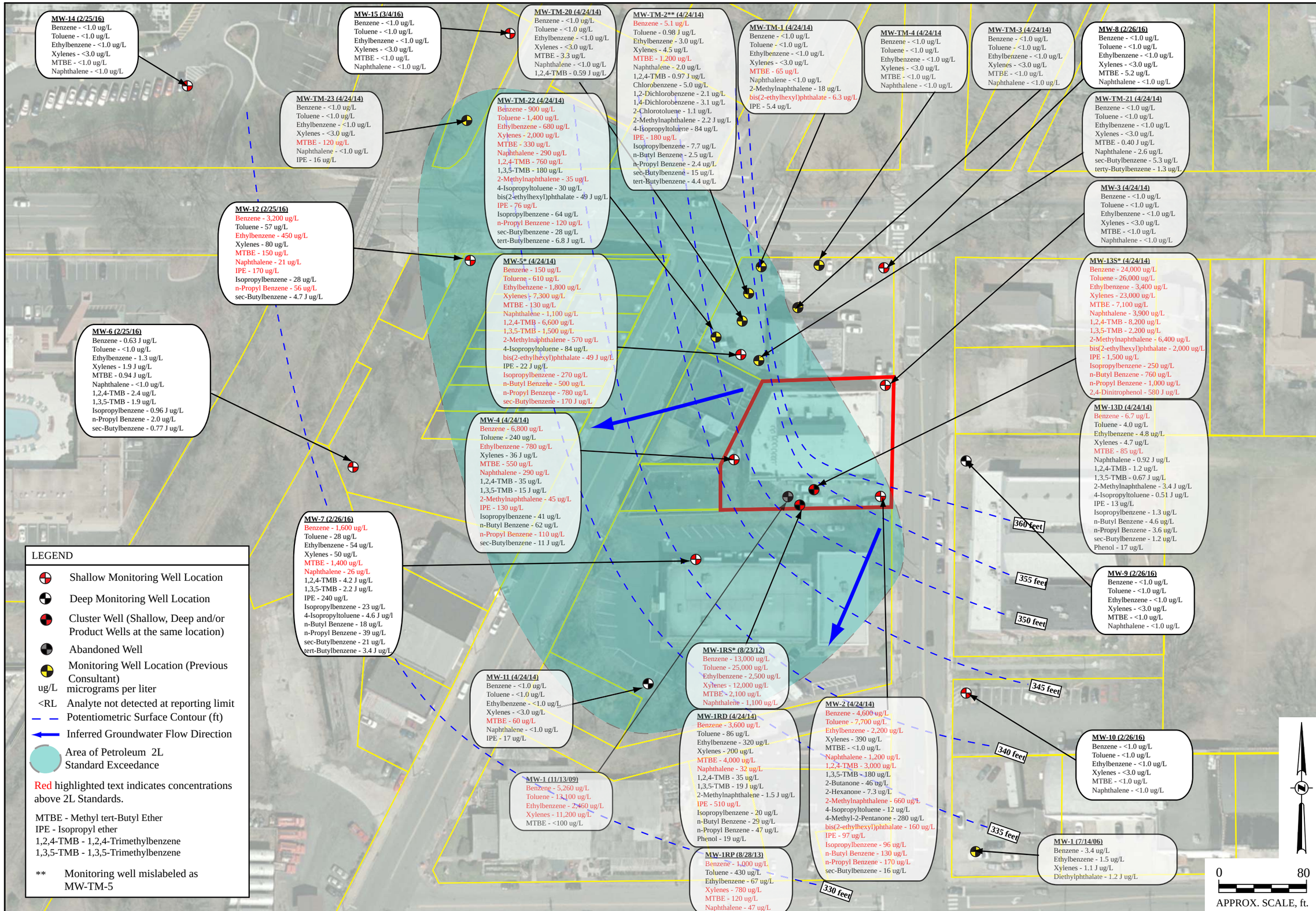
URS CORPORATION - NORTH CAROLINA
TWO SOUTH EXECUTIVE PARK
6000 FAIRVIEW ROAD, SUITE 200
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0063

URS

NC Environmental Quality

DRAWN BY: CES - 3/10/16
CHECKED BY: JA - 3/10/16
PROJECT NO.: 60447474

SHEET: ATT. 17-1



Petroleum Compounds Groundwater Quality Map
February 25-26, 2016
Scott & Roberts Cleaners
733 Foster Street
Durham, NC
DSCA Site # DC320011

URS CORPORATION - NORTH CAROLINA
TWO SOUTH EXECUTIVE PARK
6000 FAIRVIEW ROAD, SUITE 200
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0063

URS

NC Environmental Quality

DRAWN BY: CES - 3/10/16
CHECKED BY: JA - 3/10/16
PROJECT NO.: 60447474
SHEET: ATT. 17-2

ATTACHMENT 21
LABORATORY REPORTS

ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

Friday, March 4, 2016
URS - Charlotte (UR004)
Attn: Carlin Slusher
SouthPark Towers, 6000 Fairview Road, Suite 200
Charlotte, NC 28210

RE: Laboratory Results for
Project Number: 32-0011 Scott&Roberts Cleaners, Project Name/Desc: DSCA
ENCO Workorder(s): CZ02194

Dear Carlin Slusher,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, February 26, 2016.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Stephanie Franz
Project Manager
Enclosure(s)

PROJECT NARRATIVE

Date: 04 March 2016
Client: URS - Charlotte (UR004)
Project: DSCA
Lab ID: CZ02194

Overview

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

The spike recoveries of Bromodichloromethane, Bromoform, Carbon Tetrachloride, and Dibromochloromethane were outside of control limits for the 8260B LCS, MS, and/or MSD samples, indicating a possible high bias; however, these analytes were not detected in the associated samples, reducing the impact of the deviation.

Quality Control Remarks

No Comments

Other Comments

It was noted and agreed that as a matter of policy, ENCO controls QC batches based upon the recoveries of our standard/routine shortlist of reported QC analytes, regardless of the reporting list requested. However, all QC batches are approved based on the requirements and recommendations of the reported methods.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-14 | **Lab ID: CZ02194-01** | **Sampled: 02/25/16 14:45** | **Received: 02/26/16 16:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/10/16	02/29/16 09:28	02/29/16 18:15

Client ID: MW-6 | **Lab ID: CZ02194-02** | **Sampled: 02/25/16 15:30** | **Received: 02/26/16 16:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/10/16	02/29/16 09:28	02/29/16 18:44

Client ID: MW-12 | **Lab ID: CZ02194-03** | **Sampled: 02/25/16 16:50** | **Received: 02/26/16 16:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/10/16	02/29/16 09:28	02/29/16 19:13

Client ID: MW-12 | **Lab ID: CZ02194-03RE1** | **Sampled: 02/25/16 16:50** | **Received: 02/26/16 16:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/10/16	03/02/16 09:43	03/02/16 19:35

Client ID: MW-7 | **Lab ID: CZ02194-04** | **Sampled: 02/26/16 09:00** | **Received: 02/26/16 16:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/11/16	02/29/16 09:28	02/29/16 19:42

Client ID: MW-7 | **Lab ID: CZ02194-04RE1** | **Sampled: 02/26/16 09:00** | **Received: 02/26/16 16:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/11/16	03/02/16 09:43	03/02/16 20:03

Client ID: MW-10 | **Lab ID: CZ02194-05** | **Sampled: 02/26/16 10:30** | **Received: 02/26/16 16:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/11/16	02/29/16 09:28	02/29/16 20:12

Client ID: MW-8 | **Lab ID: CZ02194-06** | **Sampled: 02/26/16 11:30** | **Received: 02/26/16 16:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/11/16	02/29/16 09:28	02/29/16 20:41

Client ID: MW-9 | **Lab ID: CZ02194-07** | **Sampled: 02/26/16 12:45** | **Received: 02/26/16 16:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/11/16	02/29/16 09:28	02/29/16 21:11

Client ID: Trip Blank | **Lab ID: CZ02194-08** | **Sampled: 02/25/16 14:45** | **Received: 02/26/16 16:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/10/16	02/29/16 09:28	02/29/16 14:19

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

SAMPLE DETECTION SUMMARY

Client ID: MW-14 **Lab ID: CZ02194-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethane	1.3		0.13	1.0	ug/L	EPA 8260B	
1,1-Dichloroethene	3.2		0.21	1.0	ug/L	EPA 8260B	

Client ID: MW-6 **Lab ID: CZ02194-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,2,4-Trimethylbenzene	2.4		0.10	1.0	ug/L	EPA 8260B	
1,3,5-Trimethylbenzene	1.9		0.30	1.0	ug/L	EPA 8260B	
Benzene	0.63	J	0.15	1.0	ug/L	EPA 8260B	
Ethylbenzene	1.3		0.13	1.0	ug/L	EPA 8260B	
Isopropylbenzene	0.96	J	0.14	1.0	ug/L	EPA 8260B	
Methyl-tert-Butyl Ether	0.94	J	0.16	1.0	ug/L	EPA 8260B	
n-Propyl Benzene	2.0		0.12	1.0	ug/L	EPA 8260B	
sec-Butylbenzene	0.77	J	0.10	1.0	ug/L	EPA 8260B	
Xylenes (Total)	1.9	J	0.45	3.0	ug/L	EPA 8260B	

Client ID: MW-12 **Lab ID: CZ02194-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Benzene	3200	D	7.5	50	ug/L	EPA 8260B	

Client ID: MW-12 **Lab ID: CZ02194-03RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ethylbenzene	450	D	1.3	10	ug/L	EPA 8260B	
Isopropyl Ether	170	D	0.54	10	ug/L	EPA 8260B	
Isopropylbenzene	28	D	1.4	10	ug/L	EPA 8260B	
Methyl-tert-Butyl Ether	150	D	1.6	10	ug/L	EPA 8260B	
Naphthalene	21	D	1.1	10	ug/L	EPA 8260B	
n-Propyl Benzene	56	D	1.2	10	ug/L	EPA 8260B	
sec-Butylbenzene	4.7	JD	1.0	10	ug/L	EPA 8260B	
Toluene	57	D	1.4	10	ug/L	EPA 8260B	
Xylenes (Total)	80	D	4.5	30	ug/L	EPA 8260B	

Client ID: MW-7 **Lab ID: CZ02194-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Benzene	1600	D	3.0	20	ug/L	EPA 8260B	
Methyl-tert-Butyl Ether	1400	D	3.2	20	ug/L	EPA 8260B	

Client ID: MW-7 **Lab ID: CZ02194-04RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethane	2.0	JD	0.65	5.0	ug/L	EPA 8260B	
1,2,4-Trimethylbenzene	4.2	JD	0.50	5.0	ug/L	EPA 8260B	
1,3,5-Trimethylbenzene	2.2	JD	1.5	5.0	ug/L	EPA 8260B	
4-Isopropyltoluene	4.6	JD	0.42	5.0	ug/L	EPA 8260B	
Ethylbenzene	54	D	0.65	5.0	ug/L	EPA 8260B	
Isopropyl Ether	240	D	0.27	5.0	ug/L	EPA 8260B	
Isopropylbenzene	23	D	0.70	5.0	ug/L	EPA 8260B	
Naphthalene	26	D	0.55	5.0	ug/L	EPA 8260B	
n-Butyl Benzene	18	D	0.29	5.0	ug/L	EPA 8260B	
n-Propyl Benzene	39	D	0.60	5.0	ug/L	EPA 8260B	
sec-Butylbenzene	21	D	0.50	5.0	ug/L	EPA 8260B	
tert-Butylbenzene	3.4	JD	0.85	5.0	ug/L	EPA 8260B	
Toluene	28	D	0.70	5.0	ug/L	EPA 8260B	
Xylenes (Total)	50	D	2.2	15	ug/L	EPA 8260B	

Client ID: MW-10 **Lab ID: CZ02194-05**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	6.0		0.15	1.0	ug/L	EPA 8260B	
Tetrachloroethene	100		0.17	1.0	ug/L	EPA 8260B	
Trichloroethene	16		0.15	1.0	ug/L	EPA 8260B	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

SAMPLE DETECTION SUMMARY

Client ID: MW-8 **Lab ID: CZ02194-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Methyl-tert-Butyl Ether	5.2		0.16	1.0	ug/L	EPA 8260B	
Tetrachloroethene	11		0.17	1.0	ug/L	EPA 8260B	
Trichloroethene	0.60	J	0.15	1.0	ug/L	EPA 8260B	

Client ID: MW-9 **Lab ID: CZ02194-07**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	0.49	J	0.15	1.0	ug/L	EPA 8260B	
Tetrachloroethene	1.4		0.17	1.0	ug/L	EPA 8260B	
Trichloroethene	1.2		0.15	1.0	ug/L	EPA 8260B	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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ANALYTICAL RESULTS

Description: MW-14 | **Lab Sample ID:** CZ02194-01 | **Received:** 02/26/16 16:45

Matrix: Ground Water | **Sampled:** 02/25/16 14:45 | **Work Order:** CZ02194

Project: DSCA | **Sampled By:** Jenin Abbassi

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,1-Dichloroethane [75-34-3]^	**1.3**		ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,1-Dichloroethene [75-35-4]^	**3.2**		ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,1-Dichloropropene [563-58-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.012	U	ug/L	1	0.012	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	0.30	U	ug/L	1	0.30	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,3-Dichloropropane [142-28-9]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
2,2-Dichloropropane [594-20-7]^	0.28	U	ug/L	1	0.28	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
2-Chlorotoluene [95-49-8]^	0.081	U	ug/L	1	0.081	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
4-Chlorotoluene [106-43-4]^	0.068	U	ug/L	1	0.068	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
4-Isopropyltoluene [99-87-6]^	0.085	U	ug/L	1	0.085	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Acetone [67-64-1]^	1.2	U	ug/L	1	1.2	5.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Bromobenzene [108-86-1]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	QL-02
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	QL-02
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	QL-02
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	QL-02
Dichlorodifluoromethane [75-71-8]^	0.20	U	ug/L	1	0.20	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Isopropyl Ether [108-20-3]^	0.054	U	ug/L	1	0.054	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Isopropylbenzene [98-82-8]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Naphthalene [91-20-3]^	0.11	U	ug/L	1	0.11	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	

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ANALYTICAL RESULTS

Description: MW-14 | **Lab Sample ID:** CZ02194-01 | **Received:** 02/26/16 16:45

Matrix: Ground Water | **Sampled:** 02/25/16 14:45 | **Work Order:** CZ02194

Project: DSCA | **Sampled By:** Jenin Abbassi

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.058	U	ug/L	1	0.058	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
n-Propyl Benzene [103-65-1]^	0.12	U	ug/L	1	0.12	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
sec-Butylbenzene [135-98-8]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
tert-Butylbenzene [98-06-6]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	6B29010	EPA 8260B	02/29/16 18:15	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*106 %*	*53-136*	*6B29010*	*EPA 8260B*	*02/29/16 18:15*	*MSZ*	
Dibromofluoromethane	*53*	*1*	*50.0*	*106 %*	*67-129*	*6B29010*	*EPA 8260B*	*02/29/16 18:15*	*MSZ*	
Toluene-d8	*48*	*1*	*50.0*	*97 %*	*59-134*	*6B29010*	*EPA 8260B*	*02/29/16 18:15*	*MSZ*	

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ANALYTICAL RESULTS

Description: MW-6 | **Lab Sample ID:** CZ02194-02 | **Received:** 02/26/16 16:45

Matrix: Ground Water | **Sampled:** 02/25/16 15:30 | **Work Order:** CZ02194

Project: DSCA | **Sampled By:** Jenin Abbassi

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,1-Dichloropropene [563-58-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.012	U	ug/L	1	0.012	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	**2.4**		ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	**1.9**		ug/L	1	0.30	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,3-Dichloropropane [142-28-9]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
2,2-Dichloropropane [594-20-7]^	0.28	U	ug/L	1	0.28	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
2-Chlorotoluene [95-49-8]^	0.081	U	ug/L	1	0.081	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
4-Chlorotoluene [106-43-4]^	0.068	U	ug/L	1	0.068	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
4-Isopropyltoluene [99-87-6]^	0.085	U	ug/L	1	0.085	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Acetone [67-64-1]^	1.2	U	ug/L	1	1.2	5.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Benzene [71-43-2]^	**0.63**	J	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Bromobenzene [108-86-1]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	QL-02
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	QL-02
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	QL-02
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	QL-02
Dichlorodifluoromethane [75-71-8]^	0.20	U	ug/L	1	0.20	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Ethylbenzene [100-41-4]^	**1.3**		ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Isopropyl Ether [108-20-3]^	0.054	U	ug/L	1	0.054	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Isopropylbenzene [98-82-8]^	**0.96**	J	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	**0.94**	J	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Naphthalene [91-20-3]^	0.11	U	ug/L	1	0.11	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	

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ANALYTICAL RESULTS

Description: MW-6 | **Lab Sample ID:** CZ02194-02 | **Received:** 02/26/16 16:45

Matrix: Ground Water | **Sampled:** 02/25/16 15:30 | **Work Order:** CZ02194

Project: DSCA | **Sampled By:** Jenin Abbassi

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.058	U	ug/L	1	0.058	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
n-Propyl Benzene [103-65-1]^	**2.0**		ug/L	1	0.12	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
sec-Butylbenzene [135-98-8]^	**0.77**	J	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
tert-Butylbenzene [98-06-6]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	
Xylenes (Total) [1330-20-7]^	**1.9**	J	ug/L	1	0.45	3.0	6B29010	EPA 8260B	02/29/16 18:44	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*106 %*	*53-136*	*6B29010*	*EPA 8260B*	*02/29/16 18:44*	*MSZ*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*67-129*	*6B29010*	*EPA 8260B*	*02/29/16 18:44*	*MSZ*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*59-134*	*6B29010*	*EPA 8260B*	*02/29/16 18:44*	*MSZ*	

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ANALYTICAL RESULTS

Description: MW-12 | **Lab Sample ID:** CZ02194-03 | **Received:** 02/26/16 16:45

Matrix: Ground Water | **Sampled:** 02/25/16 16:50 | **Work Order:** CZ02194

Project: DSCA | **Sampled By:** Jenin Abbassi

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	1.2	UD	ug/L	10	1.2	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	2.8	UD	ug/L	10	2.8	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,1,2-Trichloroethane [79-00-5]^	1.4	UD	ug/L	10	1.4	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,1-Dichloroethane [75-34-3]^	1.3	UD	ug/L	10	1.3	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,1-Dichloroethene [75-35-4]^	2.1	UD	ug/L	10	2.1	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,1-Dichloropropene [563-58-6]^	1.5	UD	ug/L	10	1.5	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.12	UD	ug/L	10	0.12	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,2,3-Trichloropropane [96-18-4]^	2.3	UD	ug/L	10	2.3	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	1.4	UD	ug/L	10	1.4	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	1.0	UD	ug/L	10	1.0	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,2-Dibromoethane [106-93-4]^	6.6	UD	ug/L	10	6.6	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,2-Dichlorobenzene [95-50-1]^	1.9	UD	ug/L	10	1.9	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,2-Dichloroethane [107-06-2]^	2.1	UD	ug/L	10	2.1	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,2-Dichloropropane [78-87-5]^	1.0	UD	ug/L	10	1.0	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	3.0	UD	ug/L	10	3.0	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,3-Dichlorobenzene [541-73-1]^	1.5	UD	ug/L	10	1.5	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,3-Dichloropropane [142-28-9]^	1.6	UD	ug/L	10	1.6	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
1,4-Dichlorobenzene [106-46-7]^	1.9	UD	ug/L	10	1.9	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
2,2-Dichloropropane [594-20-7]^	2.8	UD	ug/L	10	2.8	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
2-Butanone [78-93-3]^	13	UD	ug/L	10	13	50	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
2-Chlorotoluene [95-49-8]^	0.81	UD	ug/L	10	0.81	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
2-Hexanone [591-78-6]^	8.8	UD	ug/L	10	8.8	50	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
4-Chlorotoluene [106-43-4]^	0.68	UD	ug/L	10	0.68	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
4-Isopropyltoluene [99-87-6]^	0.85	UD	ug/L	10	0.85	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
4-Methyl-2-pentanone [108-10-1]^	11	UD	ug/L	10	11	50	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Acetone [67-64-1]^	12	UD	ug/L	10	12	50	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Benzene [71-43-2]^	**3200**	D	ug/L	50	7.5	50	6B29010	EPA 8260B	02/29/16 19:13	MSZ	
Bromobenzene [108-86-1]^	1.6	UD	ug/L	10	1.6	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Bromochloromethane [74-97-5]^	4.8	UD	ug/L	10	4.8	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Bromodichloromethane [75-27-4]^	1.7	UD	ug/L	10	1.7	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Bromoform [75-25-2]^	2.2	UD	ug/L	10	2.2	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Bromomethane [74-83-9]^	1.4	UD	ug/L	10	1.4	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Carbon tetrachloride [56-23-5]^	1.7	UD	ug/L	10	1.7	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Chlorobenzene [108-90-7]^	1.7	UD	ug/L	10	1.7	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Chloroethane [75-00-3]^	2.3	UD	ug/L	10	2.3	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Chloroform [67-66-3]^	1.8	UD	ug/L	10	1.8	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Chloromethane [74-87-3]^	1.3	UD	ug/L	10	1.3	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	1.5	UD	ug/L	10	1.5	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	2.0	UD	ug/L	10	2.0	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Dibromochloromethane [124-48-1]^	1.7	UD	ug/L	10	1.7	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Dichlorodifluoromethane [75-71-8]^	2.0	UD	ug/L	10	2.0	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Ethylbenzene [100-41-4]^	**450**	D	ug/L	10	1.3	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Isopropyl Ether [108-20-3]^	**170**	D	ug/L	10	0.54	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Isopropylbenzene [98-82-8]^	**28**	D	ug/L	10	1.4	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Methylene chloride [75-09-2]^	2.3	UD	ug/L	10	2.3	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	**150**	D	ug/L	10	1.6	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Naphthalene [91-20-3]^	**21**	D	ug/L	10	1.1	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	

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ANALYTICAL RESULTS

Description: MW-12	**Lab Sample ID:** CZ02194-03	**Received:** 02/26/16 16:45
Matrix: Ground Water	**Sampled:** 02/25/16 16:50	**Work Order:** CZ02194
Project: DSCA	**Sampled By:** Jenin Abbassi	

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.58	UD	ug/L	10	0.58	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
n-Propyl Benzene [103-65-1]^	**56**	D	ug/L	10	1.2	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
sec-Butylbenzene [135-98-8]^	**4.7**	JD	ug/L	10	1.0	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Styrene [100-42-5]^	1.1	UD	ug/L	10	1.1	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
tert-Butylbenzene [98-06-6]^	1.7	UD	ug/L	10	1.7	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Tetrachloroethene [127-18-4]^	1.7	UD	ug/L	10	1.7	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Toluene [108-88-3]^	**57**	D	ug/L	10	1.4	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	2.1	UD	ug/L	10	2.1	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	1.5	UD	ug/L	10	1.5	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Trichloroethene [79-01-6]^	1.5	UD	ug/L	10	1.5	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Trichlorofluoromethane [75-69-4]^	2.4	UD	ug/L	10	2.4	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Vinyl acetate [108-05-4]^	9.5	UD	ug/L	10	9.5	50	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Vinyl chloride [75-01-4]^	3.2	UD	ug/L	10	3.2	10	6C02013	EPA 8260B	03/02/16 19:35	MSZ	
Xylenes (Total) [1330-20-7]^	**80**	D	ug/L	10	4.5	30	6C02013	EPA 8260B	03/02/16 19:35	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*53-136*	*6B29010*	*EPA 8260B*	*02/29/16 19:13*	*MSZ*	
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*53-136*	*6C02013*	*EPA 8260B*	*03/02/16 19:35*	*MSZ*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*67-129*	*6B29010*	*EPA 8260B*	*02/29/16 19:13*	*MSZ*	
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*67-129*	*6C02013*	*EPA 8260B*	*03/02/16 19:35*	*MSZ*	
Toluene-d8	*48*	*1*	*50.0*	*96 %*	*59-134*	*6B29010*	*EPA 8260B*	*02/29/16 19:13*	*MSZ*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*59-134*	*6C02013*	*EPA 8260B*	*03/02/16 19:35*	*MSZ*	

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ANALYTICAL RESULTS

Description: MW-7 | **Lab Sample ID:** CZ02194-04 | **Received:** 02/26/16 16:45

Matrix: Ground Water | **Sampled:** 02/26/16 09:00 | **Work Order:** CZ02194

Project: DSCA | **Sampled By:** Jenin Abbassi

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.60	UD	ug/L	5	0.60	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	1.4	UD	ug/L	5	1.4	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.70	UD	ug/L	5	0.70	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,1-Dichloroethane [75-34-3]^	**2.0**	JD	ug/L	5	0.65	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,1-Dichloroethene [75-35-4]^	1.0	UD	ug/L	5	1.0	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,1-Dichloropropene [563-58-6]^	0.75	UD	ug/L	5	0.75	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.060	UD	ug/L	5	0.060	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,2,3-Trichloropropane [96-18-4]^	1.2	UD	ug/L	5	1.2	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.70	UD	ug/L	5	0.70	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	**4.2**	JD	ug/L	5	0.50	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,2-Dibromoethane [106-93-4]^	3.3	UD	ug/L	5	3.3	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.95	UD	ug/L	5	0.95	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,2-Dichloroethane [107-06-2]^	1.0	UD	ug/L	5	1.0	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,2-Dichloropropane [78-87-5]^	0.50	UD	ug/L	5	0.50	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	**2.2**	JD	ug/L	5	1.5	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.75	UD	ug/L	5	0.75	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,3-Dichloropropane [142-28-9]^	0.80	UD	ug/L	5	0.80	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.95	UD	ug/L	5	0.95	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
2,2-Dichloropropane [594-20-7]^	1.4	UD	ug/L	5	1.4	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
2-Butanone [78-93-3]^	6.5	UD	ug/L	5	6.5	25	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
2-Chlorotoluene [95-49-8]^	0.40	UD	ug/L	5	0.40	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
2-Hexanone [591-78-6]^	4.4	UD	ug/L	5	4.4	25	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
4-Chlorotoluene [106-43-4]^	0.34	UD	ug/L	5	0.34	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
4-Isopropyltoluene [99-87-6]^	**4.6**	JD	ug/L	5	0.42	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
4-Methyl-2-pentanone [108-10-1]^	5.5	UD	ug/L	5	5.5	25	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Acetone [67-64-1]^	6.0	UD	ug/L	5	6.0	25	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Benzene [71-43-2]^	**1600**	D	ug/L	20	3.0	20	6B29010	EPA 8260B	02/29/16 19:42	MSZ	
Bromobenzene [108-86-1]^	0.80	UD	ug/L	5	0.80	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Bromochloromethane [74-97-5]^	2.4	UD	ug/L	5	2.4	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Bromodichloromethane [75-27-4]^	0.85	UD	ug/L	5	0.85	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Bromoform [75-25-2]^	1.1	UD	ug/L	5	1.1	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Bromomethane [74-83-9]^	0.70	UD	ug/L	5	0.70	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Carbon tetrachloride [56-23-5]^	0.85	UD	ug/L	5	0.85	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Chlorobenzene [108-90-7]^	0.85	UD	ug/L	5	0.85	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Chloroethane [75-00-3]^	1.2	UD	ug/L	5	1.2	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Chloroform [67-66-3]^	0.90	UD	ug/L	5	0.90	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Chloromethane [74-87-3]^	0.65	UD	ug/L	5	0.65	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	0.75	UD	ug/L	5	0.75	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	1.0	UD	ug/L	5	1.0	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Dibromochloromethane [124-48-1]^	0.85	UD	ug/L	5	0.85	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Dichlorodifluoromethane [75-71-8]^	1.0	UD	ug/L	5	1.0	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Ethylbenzene [100-41-4]^	**54**	D	ug/L	5	0.65	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Isopropyl Ether [108-20-3]^	**240**	D	ug/L	5	0.27	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Isopropylbenzene [98-82-8]^	**23**	D	ug/L	5	0.70	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Methylene chloride [75-09-2]^	1.2	UD	ug/L	5	1.2	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	**1400**	D	ug/L	20	3.2	20	6B29010	EPA 8260B	02/29/16 19:42	MSZ	
Naphthalene [91-20-3]^	**26**	D	ug/L	5	0.55	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	

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ANALYTICAL RESULTS

Description:	MW-7	**Lab Sample ID:**	CZ02194-04	**Received:**	02/26/16 16:45
Matrix:	Ground Water	**Sampled:**	02/26/16 09:00	**Work Order:**	CZ02194
Project:	DSCA	**Sampled By:**	Jenin Abbassi		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	**18**	D	ug/L	5	0.29	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
n-Propyl Benzene [103-65-1]^	**39**	D	ug/L	5	0.60	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
sec-Butylbenzene [135-98-8]^	**21**	D	ug/L	5	0.50	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Styrene [100-42-5]^	0.55	UD	ug/L	5	0.55	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
tert-Butylbenzene [98-06-6]^	**3.4**	JD	ug/L	5	0.85	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Tetrachloroethene [127-18-4]^	0.85	UD	ug/L	5	0.85	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Toluene [108-88-3]^	**28**	D	ug/L	5	0.70	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	1.0	UD	ug/L	5	1.0	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.75	UD	ug/L	5	0.75	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Trichloroethene [79-01-6]^	0.75	UD	ug/L	5	0.75	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Trichlorofluoromethane [75-69-4]^	1.2	UD	ug/L	5	1.2	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Vinyl acetate [108-05-4]^	4.8	UD	ug/L	5	4.8	25	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Vinyl chloride [75-01-4]^	1.6	UD	ug/L	5	1.6	5.0	6C02013	EPA 8260B	03/02/16 20:03	MSZ	
Xylenes (Total) [1330-20-7]^	**50**	D	ug/L	5	2.2	15	6C02013	EPA 8260B	03/02/16 20:03	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*54*	*1*	*50.0*	*108 %*	*53-136*	*6B29010*	*EPA 8260B*	*02/29/16 19:42*	*MSZ*	
4-Bromofluorobenzene	*46*	*1*	*50.0*	*93 %*	*53-136*	*6C02013*	*EPA 8260B*	*03/02/16 20:03*	*MSZ*	
Dibromofluoromethane	*56*	*1*	*50.0*	*112 %*	*67-129*	*6B29010*	*EPA 8260B*	*02/29/16 19:42*	*MSZ*	
Dibromofluoromethane	*40*	*1*	*50.0*	*80 %*	*67-129*	*6C02013*	*EPA 8260B*	*03/02/16 20:03*	*MSZ*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*59-134*	*6B29010*	*EPA 8260B*	*02/29/16 19:42*	*MSZ*	
Toluene-d8	*48*	*1*	*50.0*	*97 %*	*59-134*	*6C02013*	*EPA 8260B*	*03/02/16 20:03*	*MSZ*	

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ANALYTICAL RESULTS

Description: MW-10 | **Lab Sample ID:** CZ02194-05 | **Received:** 02/26/16 16:45

Matrix: Ground Water | **Sampled:** 02/26/16 10:30 | **Work Order:** CZ02194

Project: DSCA | **Sampled By:** Jenin Abbassi

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,1-Dichloropropene [563-58-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.012	U	ug/L	1	0.012	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	0.30	U	ug/L	1	0.30	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,3-Dichloropropane [142-28-9]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
2,2-Dichloropropane [594-20-7]^	0.28	U	ug/L	1	0.28	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
2-Chlorotoluene [95-49-8]^	0.081	U	ug/L	1	0.081	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
4-Chlorotoluene [106-43-4]^	0.068	U	ug/L	1	0.068	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
4-Isopropyltoluene [99-87-6]^	0.085	U	ug/L	1	0.085	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Acetone [67-64-1]^	1.2	U	ug/L	1	1.2	5.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Bromobenzene [108-86-1]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	QL-02
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	QL-02
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	QL-02
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	**6.0**		ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	QL-02
Dichlorodifluoromethane [75-71-8]^	0.20	U	ug/L	1	0.20	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Isopropyl Ether [108-20-3]^	0.054	U	ug/L	1	0.054	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Isopropylbenzene [98-82-8]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Naphthalene [91-20-3]^	0.11	U	ug/L	1	0.11	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	

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ANALYTICAL RESULTS

Description: MW-10 | **Lab Sample ID:** CZ02194-05 | **Received:** 02/26/16 16:45

Matrix: Ground Water | **Sampled:** 02/26/16 10:30 | **Work Order:** CZ02194

Project: DSCA | **Sampled By:** Jenin Abbassi

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.058	U	ug/L	1	0.058	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
n-Propyl Benzene [103-65-1]^	0.12	U	ug/L	1	0.12	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
sec-Butylbenzene [135-98-8]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
tert-Butylbenzene [98-06-6]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Tetrachloroethene [127-18-4]^	**100**		ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Trichloroethene [79-01-6]^	**16**		ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	6B29010	EPA 8260B	02/29/16 20:12	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*107 %*	*53-136*	*6B29010*	*EPA 8260B*	*02/29/16 20:12*	*MSZ*	
Dibromofluoromethane	*51*	*1*	*50.0*	*102 %*	*67-129*	*6B29010*	*EPA 8260B*	*02/29/16 20:12*	*MSZ*	
Toluene-d8	*48*	*1*	*50.0*	*96 %*	*59-134*	*6B29010*	*EPA 8260B*	*02/29/16 20:12*	*MSZ*	

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ANALYTICAL RESULTS

Description: MW-8 | **Lab Sample ID:** CZ02194-06 | **Received:** 02/26/16 16:45

Matrix: Ground Water | **Sampled:** 02/26/16 11:30 | **Work Order:** CZ02194

Project: DSCA | **Sampled By:** Jenin Abbassi

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,1-Dichloropropene [563-58-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.012	U	ug/L	1	0.012	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	0.30	U	ug/L	1	0.30	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,3-Dichloropropane [142-28-9]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
2,2-Dichloropropane [594-20-7]^	0.28	U	ug/L	1	0.28	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
2-Chlorotoluene [95-49-8]^	0.081	U	ug/L	1	0.081	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
4-Chlorotoluene [106-43-4]^	0.068	U	ug/L	1	0.068	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
4-Isopropyltoluene [99-87-6]^	0.085	U	ug/L	1	0.085	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Acetone [67-64-1]^	1.2	U	ug/L	1	1.2	5.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Bromobenzene [108-86-1]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	QL-02
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	QL-02
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	QL-02
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	QL-02
Dichlorodifluoromethane [75-71-8]^	0.20	U	ug/L	1	0.20	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Isopropyl Ether [108-20-3]^	0.054	U	ug/L	1	0.054	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Isopropylbenzene [98-82-8]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	**5.2**		ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Naphthalene [91-20-3]^	0.11	U	ug/L	1	0.11	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	

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ANALYTICAL RESULTS

Description:	MW-8	**Lab Sample ID:**	CZ02194-06	**Received:**	02/26/16 16:45
Matrix:	Ground Water	**Sampled:**	02/26/16 11:30	**Work Order:**	CZ02194
Project:	DSCA	**Sampled By:**	Jenin Abbassi		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.058	U	ug/L	1	0.058	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
n-Propyl Benzene [103-65-1]^	0.12	U	ug/L	1	0.12	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
sec-Butylbenzene [135-98-8]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
tert-Butylbenzene [98-06-6]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Tetrachloroethene [127-18-4]^	**11**		ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Trichloroethene [79-01-6]^	**0.60**	J	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	6B29010	EPA 8260B	02/29/16 20:41	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*53-136*	*6B29010*	*EPA 8260B*	*02/29/16 20:41*	*MSZ*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*67-129*	*6B29010*	*EPA 8260B*	*02/29/16 20:41*	*MSZ*	
Toluene-d8	*48*	*1*	*50.0*	*96 %*	*59-134*	*6B29010*	*EPA 8260B*	*02/29/16 20:41*	*MSZ*	

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ANALYTICAL RESULTS

Description: MW-9 | **Lab Sample ID:** CZ02194-07 | **Received:** 02/26/16 16:45

Matrix: Ground Water | **Sampled:** 02/26/16 12:45 | **Work Order:** CZ02194

Project: DSCA | **Sampled By:** Jenin Abbassi

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,1-Dichloropropene [563-58-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.012	U	ug/L	1	0.012	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	0.30	U	ug/L	1	0.30	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,3-Dichloropropane [142-28-9]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
2,2-Dichloropropane [594-20-7]^	0.28	U	ug/L	1	0.28	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
2-Chlorotoluene [95-49-8]^	0.081	U	ug/L	1	0.081	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
4-Chlorotoluene [106-43-4]^	0.068	U	ug/L	1	0.068	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
4-Isopropyltoluene [99-87-6]^	0.085	U	ug/L	1	0.085	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Acetone [67-64-1]^	1.2	U	ug/L	1	1.2	5.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Bromobenzene [108-86-1]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	QL-02
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	QL-02
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	QL-02
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	**0.49**	J	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	QL-02
Dichlorodifluoromethane [75-71-8]^	0.20	U	ug/L	1	0.20	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Isopropyl Ether [108-20-3]^	0.054	U	ug/L	1	0.054	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Isopropylbenzene [98-82-8]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Naphthalene [91-20-3]^	0.11	U	ug/L	1	0.11	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	

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ANALYTICAL RESULTS

Description:	MW-9	**Lab Sample ID:**	CZ02194-07	**Received:**	02/26/16 16:45
Matrix:	Ground Water	**Sampled:**	02/26/16 12:45	**Work Order:**	CZ02194
Project:	DSCA	**Sampled By:**	Jenin Abbassi		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.058	U	ug/L	1	0.058	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
n-Propyl Benzene [103-65-1]^	0.12	U	ug/L	1	0.12	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
sec-Butylbenzene [135-98-8]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
tert-Butylbenzene [98-06-6]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Tetrachloroethene [127-18-4]^	**1.4**		ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Trichloroethene [79-01-6]^	**1.2**		ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	6B29010	EPA 8260B	02/29/16 21:11	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*105 %*	*53-136*	*6B29010*	*EPA 8260B*	*02/29/16 21:11*	*MSZ*	
Dibromofluoromethane	*53*	*1*	*50.0*	*106 %*	*67-129*	*6B29010*	*EPA 8260B*	*02/29/16 21:11*	*MSZ*	
Toluene-d8	*48*	*1*	*50.0*	*97 %*	*59-134*	*6B29010*	*EPA 8260B*	*02/29/16 21:11*	*MSZ*	

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ANALYTICAL RESULTS

Description: Trip Blank | **Lab Sample ID:** CZ02194-08 | **Received:** 02/26/16 16:45
Matrix: Water | **Sampled:** 02/25/16 14:45 | **Work Order:** CZ02194
Project: DSCA | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,1-Dichloropropene [563-58-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.012	U	ug/L	1	0.012	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	0.30	U	ug/L	1	0.30	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,3-Dichloropropane [142-28-9]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
2,2-Dichloropropane [594-20-7]^	0.28	U	ug/L	1	0.28	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
2-Chlorotoluene [95-49-8]^	0.081	U	ug/L	1	0.081	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
4-Chlorotoluene [106-43-4]^	0.068	U	ug/L	1	0.068	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
4-Isopropyltoluene [99-87-6]^	0.085	U	ug/L	1	0.085	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Acetone [67-64-1]^	1.2	U	ug/L	1	1.2	5.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Bromobenzene [108-86-1]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	QL-02
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	QL-02
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	QL-02
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	QL-02
Dichlorodifluoromethane [75-71-8]^	0.20	U	ug/L	1	0.20	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Isopropyl Ether [108-20-3]^	0.054	U	ug/L	1	0.054	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Isopropylbenzene [98-82-8]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.16	U	ug/L	1	0.16	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Naphthalene [91-20-3]^	0.11	U	ug/L	1	0.11	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	

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ANALYTICAL RESULTS

Description: Trip Blank | **Lab Sample ID:** CZ02194-08 | **Received:** 02/26/16 16:45

Matrix: Water | **Sampled:** 02/25/16 14:45 | **Work Order:** CZ02194

Project: DSCA | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.058	U	ug/L	1	0.058	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
n-Propyl Benzene [103-65-1]^	0.12	U	ug/L	1	0.12	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
sec-Butylbenzene [135-98-8]^	0.10	U	ug/L	1	0.10	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
tert-Butylbenzene [98-06-6]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	6B29010	EPA 8260B	02/29/16 14:19	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*54*	*1*	*50.0*	*108 %*	*53-136*	*6B29010*	*EPA 8260B*	*02/29/16 14:19*	*MSZ*	
Dibromofluoromethane	*54*	*1*	*50.0*	*109 %*	*67-129*	*6B29010*	*EPA 8260B*	*02/29/16 14:19*	*MSZ*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*59-134*	*6B29010*	*EPA 8260B*	*02/29/16 14:19*	*MSZ*	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6B29010 - EPA 5030B_MS

Blank (6B29010-BLK1) Prepared: 02/29/2016 09:28 Analyzed: 02/29/2016 11:22

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.012	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.10	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.30	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Chlorotoluene	0.081	U	1.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Chlorotoluene	0.068	U	1.0	ug/L							
4-Isopropyltoluene	0.085	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromobenzene	0.16	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Isopropyl Ether	0.054	U	1.0	ug/L							
Isopropylbenzene	0.14	U	1.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.16	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
n-Butyl Benzene	0.058	U	1.0	ug/L							
n-Propyl Benzene	0.12	U	1.0	ug/L							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6B29010 - EPA 5030B_MS - Continued

Blank (6B29010-BLK1) Continued Prepared: 02/29/2016 09:28 Analyzed: 02/29/2016 11:22

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
sec-Butylbenzene	0.10	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
tert-Butylbenzene	0.17	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
4-Bromofluorobenzene	*55*			*ug/L*	*50.0*		*110*	*53-136*			
Dibromofluoromethane	*54*			*ug/L*	*50.0*		*107*	*67-129*			
Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*59-134*			

LCS (6B29010-BS1) Prepared: 02/29/2016 09:28 Analyzed: 02/29/2016 11:52

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	27		1.0	ug/L	20.0		133	72-143			
1,1,2,2-Tetrachloroethane	19		1.0	ug/L	20.0		97	59-133			
1,1,2-Trichloroethane	19		1.0	ug/L	20.0		94	67-118			
1,1-Dichloroethane	21		1.0	ug/L	20.0		106	79-141			
1,1-Dichloroethene	23		1.0	ug/L	20.0		116	75-133			
1,1-Dichloropropene	21		1.0	ug/L	20.0		105	70-129			
1,2,3-Trichlorobenzene	20		1.0	ug/L	20.0		98	62-117			
1,2,3-Trichloropropane	23		1.0	ug/L	20.0		114	58-140			
1,2,4-Trichlorobenzene	21		1.0	ug/L	20.0		104	59-122			
1,2,4-Trimethylbenzene	19		1.0	ug/L	20.0		97	74-123			
1,2-Dibromoethane	22		1.0	ug/L	20.0		108	66-123			
1,2-Dichlorobenzene	19		1.0	ug/L	20.0		93	76-116			
1,2-Dichloroethane	28		1.0	ug/L	20.0		139	72-151			
1,2-Dichloropropane	18		1.0	ug/L	20.0		92	78-125			
1,3,5-Trimethylbenzene	19		1.0	ug/L	20.0		94	77-129			
1,3-Dichlorobenzene	19		1.0	ug/L	20.0		93	76-119			
1,3-Dichloropropane	18		1.0	ug/L	20.0		91	60-129			
1,4-Dichlorobenzene	16		1.0	ug/L	20.0		81	76-122			
2,2-Dichloropropane	27		1.0	ug/L	20.0		134	21-167			
2-Butanone	17		5.0	ug/L	20.0		84	36-135			
2-Chlorotoluene	19		1.0	ug/L	20.0		93	73-135			
2-Hexanone	23		5.0	ug/L	20.0		116	36-191			
4-Chlorotoluene	19		1.0	ug/L	20.0		95	76-134			
4-Isopropyltoluene	18		1.0	ug/L	20.0		88	75-127			
4-Methyl-2-pentanone	23		5.0	ug/L	20.0		113	56-166			
Acetone	18		5.0	ug/L	20.0		88	10-158			
Benzene	18		1.0	ug/L	20.0		90	81-134			
Bromobenzene	21		1.0	ug/L	20.0		104	72-115			
Bromochloromethane	19		1.0	ug/L	20.0		97	74-128			
Bromodichloromethane	26		1.0	ug/L	20.0		132	72-129			QL-02

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6B29010 - EPA 5030B_MS - Continued

LCS (6B29010-BS1) Continued Prepared: 02/29/2016 09:28 Analyzed: 02/29/2016 11:52

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	26		1.0	ug/L	20.0		130	73-119			QL-02
Bromomethane	28		1.0	ug/L	20.0		138	38-189			
Carbon tetrachloride	29		1.0	ug/L	20.0		145	68-142			QL-02
Chlorobenzene	19		1.0	ug/L	20.0		96	83-117			
Chloroethane	14		1.0	ug/L	20.0		71	45-213			
Chloroform	21		1.0	ug/L	20.0		104	78-138			
Chloromethane	17		1.0	ug/L	20.0		85	56-171			
cis-1,2-Dichloroethene	16		1.0	ug/L	20.0		81	69-120			
cis-1,3-Dichloropropene	23		1.0	ug/L	20.0		115	63-125			
Dibromochloromethane	26		1.0	ug/L	20.0		130	73-117			QL-02
Dichlorodifluoromethane	29		1.0	ug/L	20.0		146	25-161			
Ethylbenzene	20		1.0	ug/L	20.0		101	68-124			
Isopropyl Ether	17		1.0	ug/L	20.0		85	45-117			
Isopropylbenzene	22		1.0	ug/L	20.0		109	81-136			
Methylene chloride	19		1.0	ug/L	20.0		95	68-128			
Methyl-tert-Butyl Ether	21		1.0	ug/L	20.0		105	10-127			
Naphthalene	19		1.0	ug/L	20.0		94	50-127			
n-Butyl Benzene	18		1.0	ug/L	20.0		89	68-126			
n-Propyl Benzene	21		1.0	ug/L	20.0		107	76-125			
sec-Butylbenzene	18		1.0	ug/L	20.0		88	75-122			
Styrene	18		1.0	ug/L	20.0		92	78-120			
tert-Butylbenzene	17		1.0	ug/L	20.0		87	70-137			
Tetrachloroethene	22		1.0	ug/L	20.0		112	40-181			
Toluene	17		1.0	ug/L	20.0		85	71-118			
trans-1,2-Dichloroethene	21		1.0	ug/L	20.0		103	75-139			
trans-1,3-Dichloropropene	26		1.0	ug/L	20.0		128	62-152			
Trichloroethene	21		1.0	ug/L	20.0		106	74-119			
Trichlorofluoromethane	30		1.0	ug/L	20.0		150	68-183			
Vinyl acetate	26		5.0	ug/L	20.0		131	10-198			
Vinyl chloride	12		1.0	ug/L	20.0		58	49-150			
Xylenes (Total)	64		3.0	ug/L	60.0		107	77-121			
4-Bromofluorobenzene	*60*			*ug/L*	*50.0*		*120*	*53-136*			
Dibromofluoromethane	*53*			*ug/L*	*50.0*		*106*	*67-129*			
Toluene-d8	*51*			*ug/L*	*50.0*		*102*	*59-134*			

Matrix Spike (6B29010-MS1) Prepared: 02/29/2016 09:28 Analyzed: 02/29/2016 12:22

Source: CZ02341-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	25		1.0	ug/L	20.0	0.12 U	123	72-143			
1,1,2,2-Tetrachloroethane	21		1.0	ug/L	20.0	0.28 U	107	59-133			
1,1,2-Trichloroethane	19		1.0	ug/L	20.0	0.14 U	95	67-118			
1,1-Dichloroethane	22		1.0	ug/L	20.0	0.13 U	108	79-141			
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	107	75-133			
1,1-Dichloropropene	19		1.0	ug/L	20.0	0.15 U	95	70-129			
1,2,3-Trichlorobenzene	19		1.0	ug/L	20.0	0.85	90	62-117			
1,2,3-Trichloropropane	22		1.0	ug/L	20.0	0.23 U	112	58-140			
1,2,4-Trichlorobenzene	21		1.0	ug/L	20.0	0.54	103	59-122			
1,2,4-Trimethylbenzene	19		1.0	ug/L	20.0	0.10 U	95	74-123			
1,2-Dibromoethane	22		1.0	ug/L	20.0	0.66 U	110	66-123			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6B29010 - EPA 5030B_MS - Continued

Matrix Spike (6B29010-MS1) Continued Prepared: 02/29/2016 09:28 Analyzed: 02/29/2016 12:22

Source: CZ02341-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichlorobenzene	18		1.0	ug/L	20.0	0.19 U	90	76-116			
1,2-Dichloroethane	29		1.0	ug/L	20.0	0.21 U	144	72-151			
1,2-Dichloropropane	18		1.0	ug/L	20.0	0.10 U	89	78-125			
1,3,5-Trimethylbenzene	19		1.0	ug/L	20.0	0.30 U	97	77-129			
1,3-Dichlorobenzene	17		1.0	ug/L	20.0	0.15 U	87	76-119			
1,3-Dichloropropane	22		1.0	ug/L	20.0	0.16 U	108	60-129			
1,4-Dichlorobenzene	17		1.0	ug/L	20.0	0.19 U	87	76-122			
2,2-Dichloropropane	26		1.0	ug/L	20.0	0.28 U	128	21-167			
2-Butanone	18		5.0	ug/L	20.0	1.3 U	92	36-135			
2-Chlorotoluene	19		1.0	ug/L	20.0	0.081 U	95	73-135			
2-Hexanone	26		5.0	ug/L	20.0	0.88 U	129	36-191			
4-Chlorotoluene	20		1.0	ug/L	20.0	0.068 U	98	76-134			
4-Isopropyltoluene	18		1.0	ug/L	20.0	0.085 U	91	75-127			
4-Methyl-2-pentanone	21		5.0	ug/L	20.0	1.1 U	103	56-166			
Acetone	25		5.0	ug/L	20.0	1.2 U	127	10-158			
Benzene	18		1.0	ug/L	20.0	0.15 U	91	81-134			
Bromobenzene	21		1.0	ug/L	20.0	0.16 U	104	72-115			
Bromochloromethane	19		1.0	ug/L	20.0	0.48 U	95	74-128			
Bromodichloromethane	28		1.0	ug/L	20.0	0.17 U	139	72-129			QM-07
Bromoform	26		1.0	ug/L	20.0	0.22 U	132	73-119			QM-07
Bromomethane	29		1.0	ug/L	20.0	0.14 U	145	38-189			
Carbon tetrachloride	28		1.0	ug/L	20.0	0.17 U	142	68-142			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	98	83-117			
Chloroethane	11		1.0	ug/L	20.0	0.23 U	57	45-213			
Chloroform	21		1.0	ug/L	20.0	0.18 U	103	78-138			
Chloromethane	15		1.0	ug/L	20.0	0.13 U	77	56-171			
cis-1,2-Dichloroethene	15		1.0	ug/L	20.0	0.15 U	73	69-120			
cis-1,3-Dichloropropene	21		1.0	ug/L	20.0	0.20 U	107	63-125			
Dibromochloromethane	25		1.0	ug/L	20.0	0.17 U	124	73-117			QM-07
Dichlorodifluoromethane	26		1.0	ug/L	20.0	0.20 U	132	25-161			
Ethylbenzene	21		1.0	ug/L	20.0	0.13 U	106	68-124			
Isopropyl Ether	17		1.0	ug/L	20.0	0.054 U	85	45-117			
Isopropylbenzene	22		1.0	ug/L	20.0	0.14 U	110	81-136			
Methylene chloride	18		1.0	ug/L	20.0	0.23 U	91	68-128			
Methyl-tert-Butyl Ether	21		1.0	ug/L	20.0	0.16 U	104	10-127			
Naphthalene	19		1.0	ug/L	20.0	0.11 U	96	50-127			
n-Butyl Benzene	19		1.0	ug/L	20.0	0.60	91	68-126			
n-Propyl Benzene	22		1.0	ug/L	20.0	0.12 U	112	76-125			
sec-Butylbenzene	19		1.0	ug/L	20.0	0.41	91	75-122			
Styrene	18		1.0	ug/L	20.0	0.11 U	91	73-120			
tert-Butylbenzene	18		1.0	ug/L	20.0	0.17 U	89	70-137			
Tetrachloroethene	24		1.0	ug/L	20.0	0.17 U	122	40-181			
Toluene	18		1.0	ug/L	20.0	0.14 U	90	71-118			
trans-1,2-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	108	75-139			
trans-1,3-Dichloropropene	26		1.0	ug/L	20.0	0.15 U	129	62-152			
Trichloroethene	22		1.0	ug/L	20.0	0.15 U	108	74-119			
Trichlorofluoromethane	27		1.0	ug/L	20.0	0.24 U	133	68-183			
Vinyl acetate	26		5.0	ug/L	20.0	0.95 U	128	10-198			
Vinyl chloride	13		1.0	ug/L	20.0	0.32 U	65	49-150			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6B29010 - EPA 5030B_MS - Continued

Matrix Spike (6B29010-MS1) Continued Prepared: 02/29/2016 09:28 Analyzed: 02/29/2016 12:22

Source: CZ02341-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Xylenes (Total)	68		3.0	ug/L	60.0	0.45 U	113	77-121			
4-Bromofluorobenzene	*59*			*ug/L*	*50.0*		*119*	*53-136*			
Dibromofluoromethane	*53*			*ug/L*	*50.0*		*107*	*67-129*			
Toluene-d8	*52*			*ug/L*	*50.0*		*104*	*59-134*			

Matrix Spike Dup (6B29010-MSD1) Prepared: 02/29/2016 09:28 Analyzed: 02/29/2016 12:51

Source: CZ02341-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	25		1.0	ug/L	20.0	0.12 U	127	72-143	4	18	
1,1,2,2-Tetrachloroethane	19		1.0	ug/L	20.0	0.28 U	97	59-133	10	16	
1,1,2-Trichloroethane	19		1.0	ug/L	20.0	0.14 U	95	67-118	0.7	18	
1,1-Dichloroethane	20		1.0	ug/L	20.0	0.13 U	99	79-141	9	19	
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	105	75-133	1	20	
1,1-Dichloropropene	19		1.0	ug/L	20.0	0.15 U	94	70-129	2	17	
1,2,3-Trichlorobenzene	20		1.0	ug/L	20.0	0.85	98	62-117	8	17	
1,2,3-Trichloropropane	20		1.0	ug/L	20.0	0.23 U	101	58-140	10	17	
1,2,4-Trichlorobenzene	19		1.0	ug/L	20.0	0.54	91	59-122	12	17	
1,2,4-Trimethylbenzene	20		1.0	ug/L	20.0	0.10 U	100	74-123	5	18	
1,2-Dibromoethane	22		1.0	ug/L	20.0	0.66 U	109	66-123	0.6	15	
1,2-Dichlorobenzene	18		1.0	ug/L	20.0	0.19 U	91	76-116	0.4	16	
1,2-Dichloroethane	27		1.0	ug/L	20.0	0.21 U	134	72-151	7	16	
1,2-Dichloropropane	18		1.0	ug/L	20.0	0.10 U	91	78-125	3	19	
1,3,5-Trimethylbenzene	19		1.0	ug/L	20.0	0.30 U	97	77-129	0.5	16	
1,3-Dichlorobenzene	18		1.0	ug/L	20.0	0.15 U	90	76-119	3	17	
1,3-Dichloropropane	20		1.0	ug/L	20.0	0.16 U	98	60-129	9	16	
1,4-Dichlorobenzene	19		1.0	ug/L	20.0	0.19 U	93	76-122	6	16	
2,2-Dichloropropane	25		1.0	ug/L	20.0	0.28 U	127	21-167	0.3	20	
2-Butanone	16		5.0	ug/L	20.0	1.3 U	80	36-135	13	19	
2-Chlorotoluene	20		1.0	ug/L	20.0	0.081 U	100	73-135	6	16	
2-Hexanone	22		5.0	ug/L	20.0	0.88 U	112	36-191	14	17	
4-Chlorotoluene	20		1.0	ug/L	20.0	0.068 U	101	76-134	2	16	
4-Isopropyltoluene	18		1.0	ug/L	20.0	0.085 U	90	75-127	0.7	17	
4-Methyl-2-pentanone	21		5.0	ug/L	20.0	1.1 U	105	56-166	2	19	
Acetone	18		5.0	ug/L	20.0	1.2 U	91	10-158	33	78	
Benzene	17		1.0	ug/L	20.0	0.15 U	83	81-134	9	17	
Bromobenzene	20		1.0	ug/L	20.0	0.16 U	102	72-115	2	17	
Bromochloromethane	17		1.0	ug/L	20.0	0.48 U	87	74-128	8	18	
Bromodichloromethane	26		1.0	ug/L	20.0	0.17 U	128	72-129	8	16	
Bromoform	26		1.0	ug/L	20.0	0.22 U	131	73-119	1	44	QM-07
Bromomethane	26		1.0	ug/L	20.0	0.14 U	130	38-189	11	27	
Carbon tetrachloride	26		1.0	ug/L	20.0	0.17 U	132	68-142	7	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	94	83-117	4	16	
Chloroethane	13		1.0	ug/L	20.0	0.23 U	63	45-213	10	26	
Chloroform	21		1.0	ug/L	20.0	0.18 U	103	78-138	0.7	17	
Chloromethane	16		1.0	ug/L	20.0	0.13 U	79	56-171	3	28	
cis-1,2-Dichloroethene	14		1.0	ug/L	20.0	0.15 U	70	69-120	4	18	
cis-1,3-Dichloropropene	24		1.0	ug/L	20.0	0.20 U	120	63-125	11	17	
Dibromochloromethane	25		1.0	ug/L	20.0	0.17 U	125	73-117	1	16	QM-07
Dichlorodifluoromethane	27		1.0	ug/L	20.0	0.20 U	135	25-161	3	48	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6B29010 - EPA 5030B_MS - Continued

Matrix Spike Dup (6B29010-MSD1) Continued Prepared: 02/29/2016 09:28 Analyzed: 02/29/2016 12:51

Source: CZ02341-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethylbenzene	20		1.0	ug/L	20.0	0.13 U	100	68-124	5	16	
Isopropyl Ether	17		1.0	ug/L	20.0	0.054 U	84	45-117	1	20	
Isopropylbenzene	20		1.0	ug/L	20.0	0.14 U	102	81-136	7	16	
Methylene chloride	20		1.0	ug/L	20.0	0.23 U	98	68-128	7	17	
Methyl-tert-Butyl Ether	21		1.0	ug/L	20.0	0.16 U	104	10-127	0.2	21	
Naphthalene	20		1.0	ug/L	20.0	0.11 U	98	50-127	1	19	
n-Butyl Benzene	18		1.0	ug/L	20.0	0.60	87	68-126	4	15	
n-Propyl Benzene	21		1.0	ug/L	20.0	0.12 U	103	76-125	9	16	
sec-Butylbenzene	18		1.0	ug/L	20.0	0.41	90	75-122	0.7	17	
Styrene	18		1.0	ug/L	20.0	0.11 U	89	73-120	3	23	
tert-Butylbenzene	19		1.0	ug/L	20.0	0.17 U	93	70-137	5	22	
Tetrachloroethene	24		1.0	ug/L	20.0	0.17 U	120	40-181	2	26	
Toluene	18		1.0	ug/L	20.0	0.14 U	89	71-118	0.4	17	
trans-1,2-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	109	75-139	1	19	
trans-1,3-Dichloropropene	25		1.0	ug/L	20.0	0.15 U	124	62-152	4	16	
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	99	74-119	9	22	
Trichlorofluoromethane	25		1.0	ug/L	20.0	0.24 U	126	68-183	5	22	
Vinyl acetate	27		5.0	ug/L	20.0	0.95 U	137	10-198	7	21	
Vinyl chloride	15		1.0	ug/L	20.0	0.32 U	73	49-150	12	27	
Xylenes (Total)	63		3.0	ug/L	60.0	0.45 U	106	77-121	7	16	
4-Bromofluorobenzene	*59*			*ug/L*	*50.0*		*119*	*53-136*			
Dibromofluoromethane	*55*			*ug/L*	*50.0*		*110*	*67-129*			
Toluene-d8	*51*			*ug/L*	*50.0*		*101*	*59-134*			

Batch 6C02013 - EPA 5030B_MS

Blank (6C02013-BLK1) Prepared: 03/02/2016 09:43 Analyzed: 03/02/2016 12:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.012	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.10	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.30	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C02013 - EPA 5030B_MS - Continued

Blank (6C02013-BLK1) Continued Prepared: 03/02/2016 09:43 Analyzed: 03/02/2016 12:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorotoluene	0.081	U	1.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Chlorotoluene	0.068	U	1.0	ug/L							
4-Isopropyltoluene	0.085	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromobenzene	0.16	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Isopropyl Ether	0.054	U	1.0	ug/L							
Isopropylbenzene	0.14	U	1.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.16	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
n-Butyl Benzene	0.058	U	1.0	ug/L							
n-Propyl Benzene	0.12	U	1.0	ug/L							
sec-Butylbenzene	0.10	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
tert-Butylbenzene	0.17	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*53-136*			
Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*67-129*			
Toluene-d8	*50*			*ug/L*	*50.0*		*99*	*59-134*			

LCS (6C02013-BS1) Prepared: 03/02/2016 09:43 Analyzed: 03/02/2016 12:49

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	20		1.0	ug/L	20.0		101	72-143			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C02013 - EPA 5030B_MS - Continued

LCS (6C02013-BS1) Continued Prepared: 03/02/2016 09:43 Analyzed: 03/02/2016 12:49

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,2,2-Tetrachloroethane	19		1.0	ug/L	20.0		97	59-133			
1,1,2-Trichloroethane	20		1.0	ug/L	20.0		98	67-118			
1,1-Dichloroethane	21		1.0	ug/L	20.0		105	79-141			
1,1-Dichloroethene	19		1.0	ug/L	20.0		97	75-133			
1,1-Dichloropropene	21		1.0	ug/L	20.0		104	70-129			
1,2,3-Trichlorobenzene	20		1.0	ug/L	20.0		99	62-117			
1,2,3-Trichloropropane	19		1.0	ug/L	20.0		95	58-140			
1,2,4-Trichlorobenzene	20		1.0	ug/L	20.0		102	59-122			
1,2,4-Trimethylbenzene	21		1.0	ug/L	20.0		105	74-123			
1,2-Dibromoethane	20		1.0	ug/L	20.0		98	66-123			
1,2-Dichlorobenzene	20		1.0	ug/L	20.0		100	76-116			
1,2-Dichloroethane	21		1.0	ug/L	20.0		104	72-151			
1,2-Dichloropropane	20		1.0	ug/L	20.0		101	78-125			
1,3,5-Trimethylbenzene	20		1.0	ug/L	20.0		99	77-129			
1,3-Dichlorobenzene	20		1.0	ug/L	20.0		99	76-119			
1,3-Dichloropropane	19		1.0	ug/L	20.0		95	60-129			
1,4-Dichlorobenzene	20		1.0	ug/L	20.0		100	76-122			
2,2-Dichloropropane	20		1.0	ug/L	20.0		101	21-167			
2-Butanone	20		5.0	ug/L	20.0		102	36-135			
2-Chlorotoluene	20		1.0	ug/L	20.0		99	73-135			
2-Hexanone	21		5.0	ug/L	20.0		103	36-191			
4-Chlorotoluene	20		1.0	ug/L	20.0		102	76-134			
4-Isopropyltoluene	21		1.0	ug/L	20.0		106	75-127			
4-Methyl-2-pentanone	19		5.0	ug/L	20.0		97	56-166			
Acetone	11		5.0	ug/L	20.0		55	10-158			
Benzene	20		1.0	ug/L	20.0		100	81-134			
Bromobenzene	19		1.0	ug/L	20.0		97	72-115			
Bromochloromethane	19		1.0	ug/L	20.0		97	74-128			
Bromodichloromethane	21		1.0	ug/L	20.0		103	72-129			
Bromoform	18		1.0	ug/L	20.0		90	73-119			
Bromomethane	19		1.0	ug/L	20.0		96	38-189			
Carbon tetrachloride	19		1.0	ug/L	20.0		97	68-142			
Chlorobenzene	20		1.0	ug/L	20.0		99	83-117			
Chloroethane	20		1.0	ug/L	20.0		100	45-213			
Chloroform	20		1.0	ug/L	20.0		99	78-138			
Chloromethane	18		1.0	ug/L	20.0		90	56-171			
cis-1,2-Dichloroethene	18		1.0	ug/L	20.0		92	69-120			
cis-1,3-Dichloropropene	20		1.0	ug/L	20.0		102	63-125			
Dibromochloromethane	20		1.0	ug/L	20.0		102	73-117			
Dichlorodifluoromethane	17		1.0	ug/L	20.0		85	25-161			
Ethylbenzene	19		1.0	ug/L	20.0		94	68-124			
Isopropyl Ether	19		1.0	ug/L	20.0		97	45-117			
Isopropylbenzene	21		1.0	ug/L	20.0		106	81-136			
Methylene chloride	19		1.0	ug/L	20.0		97	68-128			
Methyl-tert-Butyl Ether	19		1.0	ug/L	20.0		95	10-127			
Naphthalene	19		1.0	ug/L	20.0		95	50-127			
n-Butyl Benzene	22		1.0	ug/L	20.0		108	68-126			
n-Propyl Benzene	22		1.0	ug/L	20.0		110	76-125			
sec-Butylbenzene	21		1.0	ug/L	20.0		104	75-122			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C02013 - EPA 5030B_MS - Continued

LCS (6C02013-BS1) Continued Prepared: 03/02/2016 09:43 Analyzed: 03/02/2016 12:49

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Styrene	20		1.0	ug/L	20.0		102	78-120			
tert-Butylbenzene	20		1.0	ug/L	20.0		101	70-137			
Tetrachloroethene	20		1.0	ug/L	20.0		101	40-181			
Toluene	20		1.0	ug/L	20.0		99	71-118			
trans-1,2-Dichloroethene	21		1.0	ug/L	20.0		106	75-139			
trans-1,3-Dichloropropene	22		1.0	ug/L	20.0		110	62-152			
Trichloroethene	19		1.0	ug/L	20.0		97	74-119			
Trichlorofluoromethane	20		1.0	ug/L	20.0		98	68-183			
Vinyl acetate	22		5.0	ug/L	20.0		110	10-198			
Vinyl chloride	18		1.0	ug/L	20.0		90	49-150			
Xylenes (Total)	58		3.0	ug/L	60.0		97	77-121			
4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*94*	*53-136*			
Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*67-129*			
Toluene-d8	*48*			*ug/L*	*50.0*		*97*	*59-134*			

Matrix Spike (6C02013-MS1) Prepared: 03/02/2016 09:43 Analyzed: 03/02/2016 13:18

Source: CZ02348-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	21		1.0	ug/L	20.0	0.12 U	103	72-143			
1,1,2,2-Tetrachloroethane	19		1.0	ug/L	20.0	0.28 U	95	59-133			
1,1,2-Trichloroethane	19		1.0	ug/L	20.0	0.14 U	96	67-118			
1,1-Dichloroethane	20		1.0	ug/L	20.0	0.13 U	101	79-141			
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	99	75-133			
1,1-Dichloropropene	21		1.0	ug/L	20.0	0.15 U	104	70-129			
1,2,3-Trichlorobenzene	20		1.0	ug/L	20.0	0.012 U	98	62-117			
1,2,3-Trichloropropane	19		1.0	ug/L	20.0	0.23 U	95	58-140			
1,2,4-Trichlorobenzene	19		1.0	ug/L	20.0	0.14 U	97	59-122			
1,2,4-Trimethylbenzene	20		1.0	ug/L	20.0	0.10 U	100	74-123			
1,2-Dibromoethane	19		1.0	ug/L	20.0	0.66 U	95	66-123			
1,2-Dichlorobenzene	19		1.0	ug/L	20.0	0.19 U	96	76-116			
1,2-Dichloroethane	20		1.0	ug/L	20.0	0.21 U	100	72-151			
1,2-Dichloropropane	19		1.0	ug/L	20.0	0.10 U	93	78-125			
1,3,5-Trimethylbenzene	19		1.0	ug/L	20.0	0.30 U	97	77-129			
1,3-Dichlorobenzene	19		1.0	ug/L	20.0	0.15 U	96	76-119			
1,3-Dichloropropane	19		1.0	ug/L	20.0	0.16 U	93	60-129			
1,4-Dichlorobenzene	19		1.0	ug/L	20.0	0.19 U	93	76-122			
2,2-Dichloropropane	20		1.0	ug/L	20.0	0.28 U	101	21-167			
2-Butanone	20		5.0	ug/L	20.0	1.3 U	98	36-135			
2-Chlorotoluene	19		1.0	ug/L	20.0	0.081 U	96	73-135			
2-Hexanone	20		5.0	ug/L	20.0	0.88 U	100	36-191			
4-Chlorotoluene	20		1.0	ug/L	20.0	0.068 U	99	76-134			
4-Isopropyltoluene	21		1.0	ug/L	20.0	0.085 U	104	75-127			
4-Methyl-2-pentanone	19		5.0	ug/L	20.0	1.1 U	97	56-166			
Acetone	13		5.0	ug/L	20.0	1.2 U	65	10-158			
Benzene	19		1.0	ug/L	20.0	0.15 U	95	81-134			
Bromobenzene	18		1.0	ug/L	20.0	0.16 U	92	72-115			
Bromochloromethane	19		1.0	ug/L	20.0	0.48 U	95	74-128			
Bromodichloromethane	19		1.0	ug/L	20.0	0.17 U	96	72-129			
Bromoform	18		1.0	ug/L	20.0	0.22 U	88	73-119			

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C02013 - EPA 5030B_MS - Continued

Matrix Spike (6C02013-MS1) Continued Prepared: 03/02/2016 09:43 Analyzed: 03/02/2016 13:18

Source: CZ02348-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromomethane	19		1.0	ug/L	20.0	0.14 U	94	38-189			
Carbon tetrachloride	20		1.0	ug/L	20.0	0.17 U	98	68-142			
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	95	83-117			
Chloroethane	19		1.0	ug/L	20.0	0.23 U	95	45-213			
Chloroform	19		1.0	ug/L	20.0	0.18 U	95	78-138			
Chloromethane	18		1.0	ug/L	20.0	0.13 U	91	56-171			
cis-1,2-Dichloroethene	18		1.0	ug/L	20.0	0.15 U	89	69-120			
cis-1,3-Dichloropropene	20		1.0	ug/L	20.0	0.20 U	98	63-125			
Dibromochloromethane	20		1.0	ug/L	20.0	0.17 U	99	73-117			
Dichlorodifluoromethane	21		1.0	ug/L	20.0	0.20 U	104	25-161			
Ethylbenzene	18		1.0	ug/L	20.0	0.13 U	90	68-124			
Isopropyl Ether	19		1.0	ug/L	20.0	0.054 U	94	45-117			
Isopropylbenzene	20		1.0	ug/L	20.0	0.14 U	102	81-136			
Methylene chloride	19		1.0	ug/L	20.0	0.23 U	93	68-128			
Methyl-tert-Butyl Ether	19		1.0	ug/L	20.0	0.16 U	93	10-127			
Naphthalene	20		1.0	ug/L	20.0	0.11 U	98	50-127			
n-Butyl Benzene	21		1.0	ug/L	20.0	0.058 U	106	68-126			
n-Propyl Benzene	21		1.0	ug/L	20.0	0.12 U	106	76-125			
sec-Butylbenzene	21		1.0	ug/L	20.0	0.10 U	105	75-122			
Styrene	20		1.0	ug/L	20.0	0.11 U	99	73-120			
tert-Butylbenzene	20		1.0	ug/L	20.0	0.17 U	99	70-137			
Tetrachloroethene	21		1.0	ug/L	20.0	0.17 U	103	40-181			
Toluene	19		1.0	ug/L	20.0	0.14 U	96	71-118			
trans-1,2-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	103	75-139			
trans-1,3-Dichloropropene	22		1.0	ug/L	20.0	0.15 U	108	62-152			
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	95	74-119			
Trichlorofluoromethane	22		1.0	ug/L	20.0	0.24 U	109	68-183			
Vinyl acetate	22		5.0	ug/L	20.0	0.95 U	110	10-198			
Vinyl chloride	19		1.0	ug/L	20.0	0.32 U	93	49-150			
Xylenes (Total)	56		3.0	ug/L	60.0	0.45 U	94	77-121			
4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*94*	*53-136*			
Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*67-129*			
Toluene-d8	*49*			*ug/L*	*50.0*		*98*	*59-134*			

Matrix Spike Dup (6C02013-MSD1) Prepared: 03/02/2016 09:43 Analyzed: 03/02/2016 13:47

Source: CZ02348-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	20		1.0	ug/L	20.0	0.12 U	101	72-143	3	18	
1,1,2,2-Tetrachloroethane	20		1.0	ug/L	20.0	0.28 U	99	59-133	4	16	
1,1,2-Trichloroethane	20		1.0	ug/L	20.0	0.14 U	101	67-118	5	18	
1,1-Dichloroethane	21		1.0	ug/L	20.0	0.13 U	105	79-141	4	19	
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.21 U	97	75-133	1	20	
1,1-Dichloropropene	20		1.0	ug/L	20.0	0.15 U	102	70-129	1	17	
1,2,3-Trichlorobenzene	20		1.0	ug/L	20.0	0.012 U	102	62-117	4	17	
1,2,3-Trichloropropane	20		1.0	ug/L	20.0	0.23 U	98	58-140	3	17	
1,2,4-Trichlorobenzene	20		1.0	ug/L	20.0	0.14 U	102	59-122	6	17	
1,2,4-Trimethylbenzene	21		1.0	ug/L	20.0	0.10 U	105	74-123	5	18	
1,2-Dibromoethane	20		1.0	ug/L	20.0	0.66 U	102	66-123	7	15	
1,2-Dichlorobenzene	20		1.0	ug/L	20.0	0.19 U	102	76-116	7	16	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C02013 - EPA 5030B_MS - Continued

Matrix Spike Dup (6C02013-MSD1) Continued Prepared: 03/02/2016 09:43 Analyzed: 03/02/2016 13:47

Source: CZ02348-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	21		1.0	ug/L	20.0	0.21 U	104	72-151	4	16	
1,2-Dichloropropane	20		1.0	ug/L	20.0	0.10 U	99	78-125	6	19	
1,3,5-Trimethylbenzene	20		1.0	ug/L	20.0	0.30 U	99	77-129	2	16	
1,3-Dichlorobenzene	20		1.0	ug/L	20.0	0.15 U	98	76-119	2	17	
1,3-Dichloropropane	20		1.0	ug/L	20.0	0.16 U	98	60-129	5	16	
1,4-Dichlorobenzene	20		1.0	ug/L	20.0	0.19 U	98	76-122	5	16	
2,2-Dichloropropane	20		1.0	ug/L	20.0	0.28 U	101	21-167	0.8	20	
2-Butanone	20		5.0	ug/L	20.0	1.3 U	101	36-135	3	19	
2-Chlorotoluene	20		1.0	ug/L	20.0	0.081 U	99	73-135	3	16	
2-Hexanone	20		5.0	ug/L	20.0	0.88 U	98	36-191	1	17	
4-Chlorotoluene	20		1.0	ug/L	20.0	0.068 U	100	76-134	1	16	
4-Isopropyltoluene	21		1.0	ug/L	20.0	0.085 U	104	75-127	0.1	17	
4-Methyl-2-pentanone	20		5.0	ug/L	20.0	1.1 U	100	56-166	4	19	
Acetone	13		5.0	ug/L	20.0	1.2 U	64	10-158	2	78	
Benzene	20		1.0	ug/L	20.0	0.15 U	99	81-134	4	17	
Bromobenzene	19		1.0	ug/L	20.0	0.16 U	97	72-115	5	17	
Bromochloromethane	20		1.0	ug/L	20.0	0.48 U	98	74-128	4	18	
Bromodichloromethane	21		1.0	ug/L	20.0	0.17 U	103	72-129	8	16	
Bromoform	19		1.0	ug/L	20.0	0.22 U	93	73-119	6	44	
Bromomethane	19		1.0	ug/L	20.0	0.14 U	94	38-189	0.4	27	
Carbon tetrachloride	20		1.0	ug/L	20.0	0.17 U	99	68-142	1	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	98	83-117	3	16	
Chloroethane	20		1.0	ug/L	20.0	0.23 U	98	45-213	2	26	
Chloroform	19		1.0	ug/L	20.0	0.18 U	97	78-138	2	17	
Chloromethane	18		1.0	ug/L	20.0	0.13 U	91	56-171	0.3	28	
cis-1,2-Dichloroethene	19		1.0	ug/L	20.0	0.15 U	93	69-120	5	18	
cis-1,3-Dichloropropene	21		1.0	ug/L	20.0	0.20 U	103	63-125	5	17	
Dibromochloromethane	21		1.0	ug/L	20.0	0.17 U	106	73-117	6	16	
Dichlorodifluoromethane	18		1.0	ug/L	20.0	0.20 U	88	25-161	17	48	
Ethylbenzene	19		1.0	ug/L	20.0	0.13 U	94	68-124	4	16	
Isopropyl Ether	20		1.0	ug/L	20.0	0.054 U	99	45-117	6	20	
Isopropylbenzene	21		1.0	ug/L	20.0	0.14 U	103	81-136	2	16	
Methylene chloride	19		1.0	ug/L	20.0	0.23 U	96	68-128	3	17	
Methyl-tert-Butyl Ether	20		1.0	ug/L	20.0	0.16 U	98	10-127	5	21	
Naphthalene	20		1.0	ug/L	20.0	0.11 U	101	50-127	3	19	
n-Butyl Benzene	21		1.0	ug/L	20.0	0.058 U	106	68-126	0.2	15	
n-Propyl Benzene	22		1.0	ug/L	20.0	0.12 U	108	76-125	2	16	
sec-Butylbenzene	21		1.0	ug/L	20.0	0.10 U	104	75-122	0.7	17	
Styrene	21		1.0	ug/L	20.0	0.11 U	104	73-120	5	23	
tert-Butylbenzene	20		1.0	ug/L	20.0	0.17 U	100	70-137	1	22	
Tetrachloroethene	20		1.0	ug/L	20.0	0.17 U	101	40-181	2	26	
Toluene	20		1.0	ug/L	20.0	0.14 U	101	71-118	5	17	
trans-1,2-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	106	75-139	3	19	
trans-1,3-Dichloropropene	23		1.0	ug/L	20.0	0.15 U	115	62-152	6	16	
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	98	74-119	3	22	
Trichlorofluoromethane	20		1.0	ug/L	20.0	0.24 U	98	68-183	11	22	
Vinyl acetate	23		5.0	ug/L	20.0	0.95 U	114	10-198	3	21	
Vinyl chloride	18		1.0	ug/L	20.0	0.32 U	89	49-150	5	27	
Xylenes (Total)	58		3.0	ug/L	60.0	0.45 U	97	77-121	3	16	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C02013 - EPA 5030B_MS - Continued

Matrix Spike Dup (6C02013-MSD1) Continued Prepared: 03/02/2016 09:43 Analyzed: 03/02/2016 13:47

Source: CZ02348-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*94*	*53-136*			
Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*67-129*			
Toluene-d8	*49*			*ug/L*	*50.0*		*97*	*59-134*			

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence (85% or greater confidence) to make a "tentative identification".
P	Greater than 25% concentration difference was observed between the primary and secondary GC column. The lower concentration is reported.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, there is no impact.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

www.encolabs.com

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102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page ____ of ____

Client Name: URS - Charlotte (UR004)	Project Number: 32-0011 Scott&Roberts Cleaners
Address: SouthPark Towers, 6000 Fairview Road, Suite 200	Project Name/Desc: DSCA
City/ST/Zip: Charlotte, NC 28210	PO # / Billing Info: Vendor# 1198823/Subcontract# DSCA-010-302
Tel: (704) 522-0330 Fax: (704) 522-0330	Reporting Contact: Carlin Slusher
Sampler(s) Name, Affiliation (Print): Jenine Abbassi	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Site Location / Time Zone

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: CZ02194

Requested Analyses: 8260B,8260B Extended

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B,8260B Extended	Sample Comments
	MW-14	2/25/16	1445		GW	3	X	
	MW-6	↓	1530		GW	3	X	
	MW-12	↓	1650		GW	3	X	
	MW-7	2/26/16	0900		GW	3	X	
	MW-10	↓	1030		GW	3	X	
	MW-8	↓	1130		GW	3	X	
	MW-9	↓	1245		GW	3	X	
					GW	3	X	
					GW	3	X	
					GW	3	X	
	Trip Blank				WA	2	X	

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
[signature]	2/26/16 1645	[signature]	2/26/16 1645	[signature]	2/26/16 1645
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 1.8°C		Condition Upon Receipt: ✓ Acceptable ___ Unacceptable	

Ma GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

Friday, March 11, 2016
URS - Charlotte (UR004)
Attn: Carlin Slusher
SouthPark Towers, 6000 Fairview Road, Suite 200
Charlotte, NC 28210

RE: Laboratory Results for
Project Number: 32-0011 Scott & Roberts Cleaners, Project Name/Desc: DSCA
ENCO Workorder(s): CZ02965 ENCODEF 11 Mar 16 1509

Dear Carlin Slusher,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, March 4, 2016.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Stephanie Franz
Project Manager
Enclosure(s)

PROJECT NARRATIVE

Date: 11 March 2016
Client: URS - Charlotte (UR004)
Project: DSCA
Lab ID: CZ02965

Overview

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

The spike recovery of 2-Butanone was outside of control limits for one set of 8260B LCS, MS, and MSD samples, indicating a possible high bias; however, this analyte was not detected in the associated samples, reducing the impact of the deviation.

Quality Control Remarks

No Comments

Other Comments

It was noted and agreed that as a matter of policy, ENCO controls QC batches based upon the recoveries of our standard/routine shortlist of reported QC analytes, regardless of the reporting list requested. However, all QC batches are approved based on the requirements and recommendations of the reported methods.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-15 **Lab ID: CZ02965-01** **Sampled: 03/04/16 08:20** **Received: 03/04/16 14:40**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/18/16	03/10/16 12:03	03/10/16 18:34

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SAMPLE DETECTION SUMMARY

Client ID: MW-15 **Lab ID:** CZ02965-01

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	10		1.2	5.0	ug/L	EPA 8260B	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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ANALYTICAL RESULTS

Description: MW-15 | **Lab Sample ID:** CZ02965-01 | **Received:** 03/04/16 14:40

Matrix: Ground Water | **Sampled:** 03/04/16 08:20 | **Work Order:** CZ02965

Project: DSCA | **Sampled By:** JENINE ABBASSI

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,1-Dichloropropene [563-58-6]^	0.15	U	ug/L	1	0.15	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.012	U	ug/L	1	0.012	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.14	U	ug/L	1	0.14	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	0.10	U	ug/L	1	0.10	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	0.30	U	ug/L	1	0.30	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.15	U	ug/L	1	0.15	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,3-Dichloropropane [142-28-9]^	0.16	U	ug/L	1	0.16	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
2,2-Dichloropropane [594-20-7]^	0.28	U	ug/L	1	0.28	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	QL-02
2-Chlorotoluene [95-49-8]^	0.081	U	ug/L	1	0.081	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
4-Chlorotoluene [106-43-4]^	0.068	U	ug/L	1	0.068	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
4-Isopropyltoluene [99-87-6]^	0.085	U	ug/L	1	0.085	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Acetone [67-64-1]^	**10**		ug/L	1	1.2	5.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Bromobenzene [108-86-1]^	0.16	U	ug/L	1	0.16	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Dichlorodifluoromethane [75-71-8]^	0.20	U	ug/L	1	0.20	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Isopropyl Ether [108-20-3]^	0.054	U	ug/L	1	0.054	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Isopropylbenzene [98-82-8]^	0.14	U	ug/L	1	0.14	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.16	U	ug/L	1	0.16	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Naphthalene [91-20-3]^	0.11	U	ug/L	1	0.11	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	

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ANALYTICAL RESULTS

Description: MW-15 | **Lab Sample ID:** CZ02965-01 | **Received:** 03/04/16 14:40

Matrix: Ground Water | **Sampled:** 03/04/16 08:20 | **Work Order:** CZ02965

Project: DSCA | **Sampled By:** JENINE ABBASSI

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.058	U	ug/L	1	0.058	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
n-Propyl Benzene [103-65-1]^	0.12	U	ug/L	1	0.12	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
sec-Butylbenzene [135-98-8]^	0.10	U	ug/L	1	0.10	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
tert-Butylbenzene [98-06-6]^	0.17	U	ug/L	1	0.17	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	6C10010	EPA 8260B	03/10/16 18:34	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*93 %*	*53-136*	*6C10010*	*EPA 8260B*	*03/10/16 18:34*	*MSZ*	
Dibromofluoromethane	*51*	*1*	*50.0*	*103 %*	*67-129*	*6C10010*	*EPA 8260B*	*03/10/16 18:34*	*MSZ*	
Toluene-d8	*48*	*1*	*50.0*	*95 %*	*59-134*	*6C10010*	*EPA 8260B*	*03/10/16 18:34*	*MSZ*	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C10010 - EPA 5030B_MS

Blank (6C10010-BLK1) Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 10:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.012	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.10	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.30	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Chlorotoluene	0.081	U	1.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Chlorotoluene	0.068	U	1.0	ug/L							
4-Isopropyltoluene	0.085	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromobenzene	0.16	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Isopropyl Ether	0.054	U	1.0	ug/L							
Isopropylbenzene	0.14	U	1.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.16	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
n-Butyl Benzene	0.058	U	1.0	ug/L							
n-Propyl Benzene	0.12	U	1.0	ug/L							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C10010 - EPA 5030B_MS - Continued

Blank (6C10010-BLK1) Continued Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 10:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
sec-Butylbenzene	0.10	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
tert-Butylbenzene	0.17	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*53-136*			
Dibromofluoromethane	*50*			*ug/L*	*50.0*		*100*	*67-129*			
Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*59-134*			

LCS (6C10010-BS1) Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 10:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	20		1.0	ug/L	20.0		98	72-143			
1,1,2,2-Tetrachloroethane	20		1.0	ug/L	20.0		101	59-133			
1,1,2-Trichloroethane	20		1.0	ug/L	20.0		99	67-118			
1,1-Dichloroethane	22		1.0	ug/L	20.0		109	79-141			
1,1-Dichloroethene	20		1.0	ug/L	20.0		101	75-133			
1,1-Dichloropropene	20		1.0	ug/L	20.0		102	70-129			
1,2,3-Trichlorobenzene	20		1.0	ug/L	20.0		101	62-117			
1,2,3-Trichloropropane	19		1.0	ug/L	20.0		96	58-140			
1,2,4-Trichlorobenzene	20		1.0	ug/L	20.0		100	59-122			
1,2,4-Trimethylbenzene	20		1.0	ug/L	20.0		101	74-123			
1,2-Dibromoethane	20		1.0	ug/L	20.0		98	66-123			
1,2-Dichlorobenzene	21		1.0	ug/L	20.0		104	76-116			
1,2-Dichloroethane	19		1.0	ug/L	20.0		96	72-151			
1,2-Dichloropropane	20		1.0	ug/L	20.0		101	78-125			
1,3,5-Trimethylbenzene	20		1.0	ug/L	20.0		98	77-129			
1,3-Dichlorobenzene	21		1.0	ug/L	20.0		104	76-119			
1,3-Dichloropropane	20		1.0	ug/L	20.0		100	60-129			
1,4-Dichlorobenzene	20		1.0	ug/L	20.0		101	76-122			
2,2-Dichloropropane	19		1.0	ug/L	20.0		95	21-167			
2-Butanone	28		5.0	ug/L	20.0		140	36-135			QL-02
2-Chlorotoluene	20		1.0	ug/L	20.0		102	73-135			
2-Hexanone	19		5.0	ug/L	20.0		97	36-191			
4-Chlorotoluene	19		1.0	ug/L	20.0		96	76-134			
4-Isopropyltoluene	20		1.0	ug/L	20.0		101	75-127			
4-Methyl-2-pentanone	19		5.0	ug/L	20.0		95	56-166			
Acetone	19		5.0	ug/L	20.0		96	10-158			
Benzene	20		1.0	ug/L	20.0		101	81-134			
Bromobenzene	19		1.0	ug/L	20.0		95	72-115			
Bromochloromethane	21		1.0	ug/L	20.0		105	74-128			
Bromodichloromethane	18		1.0	ug/L	20.0		90	72-129			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C10010 - EPA 5030B_MS - Continued

LCS (6C10010-BS1) Continued Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 10:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	20		1.0	ug/L	20.0		98	73-119			
Bromomethane	17		1.0	ug/L	20.0		87	38-189			
Carbon tetrachloride	19		1.0	ug/L	20.0		96	68-142			
Chlorobenzene	20		1.0	ug/L	20.0		102	83-117			
Chloroethane	23		1.0	ug/L	20.0		113	45-213			
Chloroform	21		1.0	ug/L	20.0		103	78-138			
Chloromethane	20		1.0	ug/L	20.0		100	56-171			
cis-1,2-Dichloroethene	18		1.0	ug/L	20.0		92	69-120			
cis-1,3-Dichloropropene	20		1.0	ug/L	20.0		98	63-125			
Dibromochloromethane	20		1.0	ug/L	20.0		101	73-117			
Dichlorodifluoromethane	24		1.0	ug/L	20.0		122	25-161			
Ethylbenzene	19		1.0	ug/L	20.0		97	68-124			
Isopropyl Ether	20		1.0	ug/L	20.0		102	45-117			
Isopropylbenzene	20		1.0	ug/L	20.0		99	81-136			
Methylene chloride	21		1.0	ug/L	20.0		103	68-128			
Methyl-tert-Butyl Ether	20		1.0	ug/L	20.0		98	10-127			
Naphthalene	23		1.0	ug/L	20.0		114	50-127			
n-Butyl Benzene	20		1.0	ug/L	20.0		98	68-126			
n-Propyl Benzene	20		1.0	ug/L	20.0		102	76-125			
sec-Butylbenzene	20		1.0	ug/L	20.0		102	75-122			
Styrene	20		1.0	ug/L	20.0		98	78-120			
tert-Butylbenzene	20		1.0	ug/L	20.0		100	70-137			
Tetrachloroethene	21		1.0	ug/L	20.0		106	40-181			
Toluene	20		1.0	ug/L	20.0		99	71-118			
trans-1,2-Dichloroethene	22		1.0	ug/L	20.0		109	75-139			
trans-1,3-Dichloropropene	21		1.0	ug/L	20.0		107	62-152			
Trichloroethene	20		1.0	ug/L	20.0		99	74-119			
Trichlorofluoromethane	20		1.0	ug/L	20.0		101	68-183			
Vinyl acetate	23		5.0	ug/L	20.0		114	10-198			
Vinyl chloride	20		1.0	ug/L	20.0		98	49-150			
Xylenes (Total)	61		3.0	ug/L	60.0		102	77-121			
4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*96*	*53-136*			
Dibromofluoromethane	*51*			*ug/L*	*50.0*		*102*	*67-129*			
Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*59-134*			

Matrix Spike (6C10010-MS1) Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 11:15

Source: CZ03555-07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	20		1.0	ug/L	20.0	0.12 U	99	72-143			
1,1,2,2-Tetrachloroethane	21		1.0	ug/L	20.0	0.28 U	104	59-133			
1,1,2-Trichloroethane	20		1.0	ug/L	20.0	0.14 U	102	67-118			
1,1-Dichloroethane	22		1.0	ug/L	20.0	0.13 U	108	79-141			
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	102	75-133			
1,1-Dichloropropene	20		1.0	ug/L	20.0	0.15 U	101	70-129			
1,2,3-Trichlorobenzene	20		1.0	ug/L	20.0	0.76	96	62-117			
1,2,3-Trichloropropane	19		1.0	ug/L	20.0	0.23 U	96	58-140			
1,2,4-Trichlorobenzene	20		1.0	ug/L	20.0	0.59	97	59-122			
1,2,4-Trimethylbenzene	20		1.0	ug/L	20.0	0.10 U	99	74-123			
1,2-Dibromoethane	19		1.0	ug/L	20.0	0.66 U	97	66-123			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C10010 - EPA 5030B_MS - Continued

Matrix Spike (6C10010-MS1) Continued Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 11:15

Source: CZ03555-07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichlorobenzene	20		1.0	ug/L	20.0	0.19 U	101	76-116			
1,2-Dichloroethane	20		1.0	ug/L	20.0	0.21 U	98	72-151			
1,2-Dichloropropane	20		1.0	ug/L	20.0	0.10 U	98	78-125			
1,3,5-Trimethylbenzene	19		1.0	ug/L	20.0	0.30 U	97	77-129			
1,3-Dichlorobenzene	21		1.0	ug/L	20.0	0.15 U	104	76-119			
1,3-Dichloropropane	20		1.0	ug/L	20.0	0.16 U	101	60-129			
1,4-Dichlorobenzene	20		1.0	ug/L	20.0	0.19 U	100	76-122			
2,2-Dichloropropane	19		1.0	ug/L	20.0	0.28 U	93	21-167			
2-Butanone	28		5.0	ug/L	20.0	1.3 U	140	36-135			QM-07
2-Chlorotoluene	20		1.0	ug/L	20.0	0.081 U	102	73-135			
2-Hexanone	20		5.0	ug/L	20.0	0.88 U	102	36-191			
4-Chlorotoluene	19		1.0	ug/L	20.0	0.068 U	97	76-134			
4-Isopropyltoluene	20		1.0	ug/L	20.0	0.085 U	102	75-127			
4-Methyl-2-pentanone	20		5.0	ug/L	20.0	1.1 U	98	56-166			
Acetone	22		5.0	ug/L	20.0	1.2 U	112	10-158			
Benzene	20		1.0	ug/L	20.0	0.15 U	101	81-134			
Bromobenzene	19		1.0	ug/L	20.0	0.16 U	96	72-115			
Bromochloromethane	21		1.0	ug/L	20.0	0.48 U	104	74-128			
Bromodichloromethane	18		1.0	ug/L	20.0	0.17 U	89	72-129			
Bromoform	20		1.0	ug/L	20.0	0.22 U	99	73-119			
Bromomethane	18		1.0	ug/L	20.0	0.14 U	92	38-189			
Carbon tetrachloride	19		1.0	ug/L	20.0	0.17 U	96	68-142			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	102	83-117			
Chloroethane	23		1.0	ug/L	20.0	0.23 U	113	45-213			
Chloroform	21		1.0	ug/L	20.0	0.18 U	104	78-138			
Chloromethane	19		1.0	ug/L	20.0	0.13 U	96	56-171			
cis-1,2-Dichloroethene	18		1.0	ug/L	20.0	0.15 U	91	69-120			
cis-1,3-Dichloropropene	20		1.0	ug/L	20.0	0.20 U	99	63-125			
Dibromochloromethane	21		1.0	ug/L	20.0	0.17 U	104	73-117			
Dichlorodifluoromethane	24		1.0	ug/L	20.0	0.20 U	119	25-161			
Ethylbenzene	20		1.0	ug/L	20.0	0.13 U	99	68-124			
Isopropyl Ether	20		1.0	ug/L	20.0	0.054 U	102	45-117			
Isopropylbenzene	20		1.0	ug/L	20.0	0.14 U	99	81-136			
Methylene chloride	20		1.0	ug/L	20.0	0.23 U	102	68-128			
Methyl-tert-Butyl Ether	19		1.0	ug/L	20.0	0.16 U	96	10-127			
Naphthalene	23		1.0	ug/L	20.0	0.55	112	50-127			
n-Butyl Benzene	20		1.0	ug/L	20.0	0.67	96	68-126			
n-Propyl Benzene	21		1.0	ug/L	20.0	0.12 U	103	76-125			
sec-Butylbenzene	20		1.0	ug/L	20.0	0.44	99	75-122			
Styrene	20		1.0	ug/L	20.0	0.11 U	99	73-120			
tert-Butylbenzene	19		1.0	ug/L	20.0	0.17 U	97	70-137			
Tetrachloroethene	22		1.0	ug/L	20.0	0.17 U	108	40-181			
Toluene	20		1.0	ug/L	20.0	0.14 U	100	71-118			
trans-1,2-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	110	75-139			
trans-1,3-Dichloropropene	22		1.0	ug/L	20.0	0.15 U	109	62-152			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	98	74-119			
Trichlorofluoromethane	21		1.0	ug/L	20.0	0.24 U	104	68-183			
Vinyl acetate	23		5.0	ug/L	20.0	0.95 U	114	10-198			
Vinyl chloride	20		1.0	ug/L	20.0	0.32 U	102	49-150			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C10010 - EPA 5030B_MS - Continued

Matrix Spike (6C10010-MS1) Continued Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 11:15

Source: CZ03555-07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Xylenes (Total)	62		3.0	ug/L	60.0	0.45 U	103	77-121			
4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*96*	*53-136*			
Dibromofluoromethane	*52*			*ug/L*	*50.0*		*103*	*67-129*			
Toluene-d8	*49*			*ug/L*	*50.0*		*97*	*59-134*			

Matrix Spike Dup (6C10010-MSD1) Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 11:44

Source: CZ03555-07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	19		1.0	ug/L	20.0	0.12 U	93	72-143	7	18	
1,1,2,2-Tetrachloroethane	20		1.0	ug/L	20.0	0.28 U	102	59-133	2	16	
1,1,2-Trichloroethane	20		1.0	ug/L	20.0	0.14 U	100	67-118	2	18	
1,1-Dichloroethane	21		1.0	ug/L	20.0	0.13 U	105	79-141	2	19	
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	98	75-133	4	20	
1,1-Dichloropropene	20		1.0	ug/L	20.0	0.15 U	98	70-129	3	17	
1,2,3-Trichlorobenzene	22		1.0	ug/L	20.0	0.76	104	62-117	8	17	
1,2,3-Trichloropropane	18		1.0	ug/L	20.0	0.23 U	92	58-140	4	17	
1,2,4-Trichlorobenzene	22		1.0	ug/L	20.0	0.59	107	59-122	10	17	
1,2,4-Trimethylbenzene	21		1.0	ug/L	20.0	0.10 U	105	74-123	6	18	
1,2-Dibromoethane	19		1.0	ug/L	20.0	0.66 U	97	66-123	0.8	15	
1,2-Dichlorobenzene	22		1.0	ug/L	20.0	0.19 U	112	76-116	10	16	
1,2-Dichloroethane	20		1.0	ug/L	20.0	0.21 U	100	72-151	2	16	
1,2-Dichloropropane	20		1.0	ug/L	20.0	0.10 U	101	78-125	2	19	
1,3,5-Trimethylbenzene	20		1.0	ug/L	20.0	0.30 U	101	77-129	5	16	
1,3-Dichlorobenzene	22		1.0	ug/L	20.0	0.15 U	110	76-119	6	17	
1,3-Dichloropropane	20		1.0	ug/L	20.0	0.16 U	99	60-129	3	16	
1,4-Dichlorobenzene	21		1.0	ug/L	20.0	0.19 U	104	76-122	4	16	
2,2-Dichloropropane	17		1.0	ug/L	20.0	0.28 U	87	21-167	7	20	
2-Butanone	29		5.0	ug/L	20.0	1.3 U	143	36-135	2	19	QM-07
2-Chlorotoluene	21		1.0	ug/L	20.0	0.081 U	106	73-135	4	16	
2-Hexanone	20		5.0	ug/L	20.0	0.88 U	101	36-191	1	17	
4-Chlorotoluene	21		1.0	ug/L	20.0	0.068 U	104	76-134	7	16	
4-Isopropyltoluene	21		1.0	ug/L	20.0	0.085 U	106	75-127	4	17	
4-Methyl-2-pentanone	20		5.0	ug/L	20.0	1.1 U	98	56-166	0.2	19	
Acetone	23		5.0	ug/L	20.0	1.2 U	116	10-158	3	78	
Benzene	20		1.0	ug/L	20.0	0.15 U	100	81-134	0.8	17	
Bromobenzene	19		1.0	ug/L	20.0	0.16 U	95	72-115	0.9	17	
Bromochloromethane	21		1.0	ug/L	20.0	0.48 U	104	74-128	0.5	18	
Bromodichloromethane	18		1.0	ug/L	20.0	0.17 U	88	72-129	1	16	
Bromoform	20		1.0	ug/L	20.0	0.22 U	100	73-119	0.7	44	
Bromomethane	19		1.0	ug/L	20.0	0.14 U	94	38-189	2	27	
Carbon tetrachloride	18		1.0	ug/L	20.0	0.17 U	92	68-142	3	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	100	83-117	2	16	
Chloroethane	22		1.0	ug/L	20.0	0.23 U	110	45-213	2	26	
Chloroform	20		1.0	ug/L	20.0	0.18 U	100	78-138	4	17	
Chloromethane	19		1.0	ug/L	20.0	0.13 U	93	56-171	3	28	
cis-1,2-Dichloroethene	18		1.0	ug/L	20.0	0.15 U	88	69-120	3	18	
cis-1,3-Dichloropropene	20		1.0	ug/L	20.0	0.20 U	100	63-125	0.9	17	
Dibromochloromethane	20		1.0	ug/L	20.0	0.17 U	102	73-117	2	16	
Dichlorodifluoromethane	22		1.0	ug/L	20.0	0.20 U	110	25-161	8	48	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C10010 - EPA 5030B_MS - Continued

Matrix Spike Dup (6C10010-MSD1) Continued Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 11:44

Source: CZ03555-07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethylbenzene	19		1.0	ug/L	20.0	0.13 U	96	68-124	3	16	
Isopropyl Ether	20		1.0	ug/L	20.0	0.054 U	100	45-117	2	20	
Isopropylbenzene	19		1.0	ug/L	20.0	0.14 U	95	81-136	5	16	
Methylene chloride	20		1.0	ug/L	20.0	0.23 U	99	68-128	3	17	
Methyl-tert-Butyl Ether	19		1.0	ug/L	20.0	0.16 U	95	10-127	1	21	
Naphthalene	25		1.0	ug/L	20.0	0.55	121	50-127	8	19	
n-Butyl Benzene	21		1.0	ug/L	20.0	0.67	101	68-126	6	15	
n-Propyl Benzene	20		1.0	ug/L	20.0	0.12 U	101	76-125	2	16	
sec-Butylbenzene	22		1.0	ug/L	20.0	0.44	105	75-122	6	17	
Styrene	20		1.0	ug/L	20.0	0.11 U	98	73-120	1	23	
tert-Butylbenzene	21		1.0	ug/L	20.0	0.17 U	104	70-137	6	22	
Tetrachloroethene	21		1.0	ug/L	20.0	0.17 U	106	40-181	1	26	
Toluene	20		1.0	ug/L	20.0	0.14 U	98	71-118	2	17	
trans-1,2-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	103	75-139	7	19	
trans-1,3-Dichloropropene	22		1.0	ug/L	20.0	0.15 U	108	62-152	0.9	16	
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	98	74-119	0.9	22	
Trichlorofluoromethane	19		1.0	ug/L	20.0	0.24 U	97	68-183	6	22	
Vinyl acetate	23		5.0	ug/L	20.0	0.95 U	113	10-198	1	21	
Vinyl chloride	19		1.0	ug/L	20.0	0.32 U	96	49-150	6	27	
Xylenes (Total)	59		3.0	ug/L	60.0	0.45 U	99	77-121	4	16	
4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*97*	*53-136*			
Dibromofluoromethane	*51*			*ug/L*	*50.0*		*102*	*67-129*			
Toluene-d8	*49*			*ug/L*	*50.0*		*97*	*59-134*			

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence (85% or greater confidence) to make a "tentative identification".
P	Greater than 25% concentration difference was observed between the primary and secondary GC column. The lower concentration is reported.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, there is no impact.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 111
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

www.encolabs.com

Client Name: URS-Charlotte (URC004)	Project Number: 32-0011 Scott & Roberts
Address: South Park Towers, 660 Fairview Rd	Project Name/Desc: DSCA
City/ST/Zip: Charlotte, NC 28210	PO # / Billing Info:
Tel: (704) 522-0330 / Fax:	Reporting Contact: Carlin Slusher
Sampler(s) Name, Affiliation (Print): Jenine Abbassi	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Site Location / Time Zone:

Requested Analyses: VOCs 8260B

Requested Turnaround Times

Note : Rush requests subje[illegible] acceptance by the facil[illegible]

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C202965

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	VOCs 8260B	Sample Comments
	MW-15	3/4/16	0820	Grab	GW	3	X	

Preservation (See Codes) (Combine as necessary)

<-- Total # of Containers

Sample Kit Prepared By: [signature]	Date/Time: 3/4/16 0810	Relinquished By: [signature]	Date/Time: 3/4/16 1440	Received By: [signature]	Date/Time: 3.4.16 1440		
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time		
		Relinquished By	Date/Time	Received By	Date/Time		
		Cooler #'s & Temps on Receipt: 3.7c		Condition Upon Receipt: ✓ Acceptable ___ Unacceptable			

Matrix : **GW**-Groundwater **SO**-Soil **DW**-Drinking Water **SE**-Sediment **SW**-Surface Water **WW**-Wastewater **A**-Air **O**-Other (detail in comments)

Preservation: **I**-Ice **H**-HCl **N**-HNO3 **S**-H2SO4 **NO**-NaOH **O**-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

March 10, 2016

Carlin Slusher
AECOM - Charlotte, NC
6000 Fairview Road, Suite 200
Charlotte, NC 28210

Project Location: Durham, NC
Client Job Number:
Project Number: 60447474.10005
Laboratory Work Order Number: 16C0115

Enclosed are results of analyses for samples received by the laboratory on February 29, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

AECOM - Charlotte, NC
6000 Fairview Road, Suite 200
Charlotte, NC 28210
ATTN: Carlin Slusher

REPORT DATE: 3/10/2016

PURCHASE ORDER NUMBER: mike.ranck@urs.com

PROJECT NUMBER: 60447474.10005

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16C0115

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Durham, NC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SG-700-Foster	16C0115-01	Soil Gas		EPA TO-15	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Laboratory Director

con-test® ANALYTICAL LABORATORY

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ANALYTICAL RESULTS

Project Location: Durham, NC
Date Received: 2/29/2016
Field Sample #: SG-700-Foster
Sample ID: 16C0115-01
Sample Matrix: Soil Gas
Sampled: 2/26/2016 14:44

Sample Description/Location:
Sub Description/Location:
Canister ID: 1641
Canister Size: 6 liter
Flow Controller ID: 4190
Sample Type: 30 min

Work Order: 16C0115
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3			Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
cis-1,2-Dichloroethylene	ND	0.10	0.038		ND	0.40	2	3/4/16 6:18	TPH
trans-1,2-Dichloroethylene	ND	0.10	0.026		ND	0.40	2	3/4/16 6:18	TPH
Tetrachloroethylene	0.078	0.10	0.028	J	0.53	0.68	2	3/4/16 6:18	TPH
Trichloroethylene	ND	0.10	0.030		ND	0.54	2	3/4/16 6:18	TPH
Vinyl Chloride	ND	0.10	0.043		ND	0.26	2	3/4/16 6:18	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	99.5	70-130	3/4/16 6:18

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
16C0115-01 [SG-700-Foster]	B143653	1.5	1	N/A	1000	400	300	03/03/16

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B143653 - TO-15 Prep											
Blank (B143653-BLK1)					Prepared & Analyzed: 03/03/16						
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
Tetrachloroethylene	ND	0.035									
Trichloroethylene	ND	0.035									
Vinyl Chloride	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*7.50*				*8.00*		*93.7*	*70-130*			
LCS (B143653-BS1)					Prepared & Analyzed: 03/03/16						
cis-1,2-Dichloroethylene	3.86				5.00		77.3	70-130			
trans-1,2-Dichloroethylene	3.81				5.00		76.2	70-130			
Tetrachloroethylene	4.36				5.00		87.2	70-130			
Trichloroethylene	5.02				5.00		100	70-130			
Vinyl Chloride	4.22				5.00		84.4	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.10*				*8.00*		*101*	*70-130*			
Duplicate (B143653-DUP1)			**Source: 16C0115-01**		Prepared: 03/03/16 Analyzed: 03/04/16						
cis-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
trans-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
Tetrachloroethylene	0.092	0.10	0.62	0.68		0.078			16.5	25	J
Trichloroethylene	ND	0.10	ND	0.54		ND				25	
Vinyl Chloride	ND	0.10	ND	0.26		ND				25	
Surrogate: 4-Bromofluorobenzene (1)	*8.10*				*8.00*		*101*	*70-130*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
cis-1,2-Dichloroethylene	AIHA,FL,NY,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,VA
Tetrachloroethylene	AIHA,FL,NJ,NY,VA
Trichloroethylene	AIHA,FL,NJ,NY,VA
Vinyl Chloride	AIHA,FL,NJ,NY,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

DSCA #DC320011, Scott + Roberts

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc #378 Rev 0 5/8/15

CHAIN OF CUSTODY RECORD (AIR) 16C0115

39 Spruce Street
East Longmeadow, MA 01028

Company Name:
Address: URS Corporation - NC
Phone: 919-461-1341
Project Name:
Project Location: Durham, NC
Project Number: 60447474.10005
Project Manager: C. Slusher
Con-Test Bid:
Invoice Recipient: C. Slusher
Sampled By: J. Wilke / J. Abbassi

Requested Turnaround Time: 7-Day ☐ 10-Day ☒ Other:

Rush-Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐

Data Delivery: Format: PDF ☒ EXCEL ☒ Other:
Enhanced Data Package Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use: Con-Test Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Collection Data: Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate ☒ m³/min ☐ L/min	Matrix: Code	Volume ☒ Liters ☐ m³	TO-15 LL **				Initial Pressure (" Hg)	Final Pressure (" Hg)	Lab Receipt Pressure (" Hg)	Summa Can ID	Flow Controller ID
01	SG-700-Foster	2/24/16 1417	2/24/16 1444	27	200	SG	6	X				-30	-8	-8	1641	BC4190

Comments:
** PCE, TCE, VC, cis-1,2-DCE, + trans-1,2-DCE, only.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 2/29/16 1330
Received by: (signature)	Date/Time: 2/29/16 1500
Relinquished by: (signature)	Date/Time: 2/29/16 1730
Received by: (signature)	Date/Time: 3/2/16 1159
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements: MA; CT; Other:

Special Requirements: NC DSCA; ☐ MA MCP Required; ☐ CT RCP Required; ☐ Enhanced Data Package Required

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

www.contestlabs.com

con-test® ANALYTICAL LABORATORY

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

AIR Only Receipt Checklist

CLIENT NAME URS Corporation- NC **RECEIVED BY**: JDL **DATE**: 3/2/2016

1) Was the chain(s) of custody relinquished and signed? **Yes** X **No** ____

2) Does the chain agree with the samples? **Yes** X **No** ____

If not, explain:

3) Are all the samples in good condition? **Yes** X **No** ____

If not, explain:

4) Are there any samples "On Hold"? **Yes** ____ **No** X Stored where: ____

5) Are there any RUSH or SHORT HOLDING TIME samples? **Yes** ____ **No** X

Who was notified ____ Date ____ Time ____

6) Location where samples are stored: Air

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ____

7) Number of cans Individually Certified or Batch Certified? ____

Containers received at Con-Test

		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)		1	6L
Tedlar Bags			
TO-17 Tubes			
Regulators		1	30min
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009)			
(TO-4A/ TO-10A/TO-13) PUFs			
PCB Florisil Tubes (NIOSH 5503)			
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:				Summa ID's:	1641			Regulators:	4190						

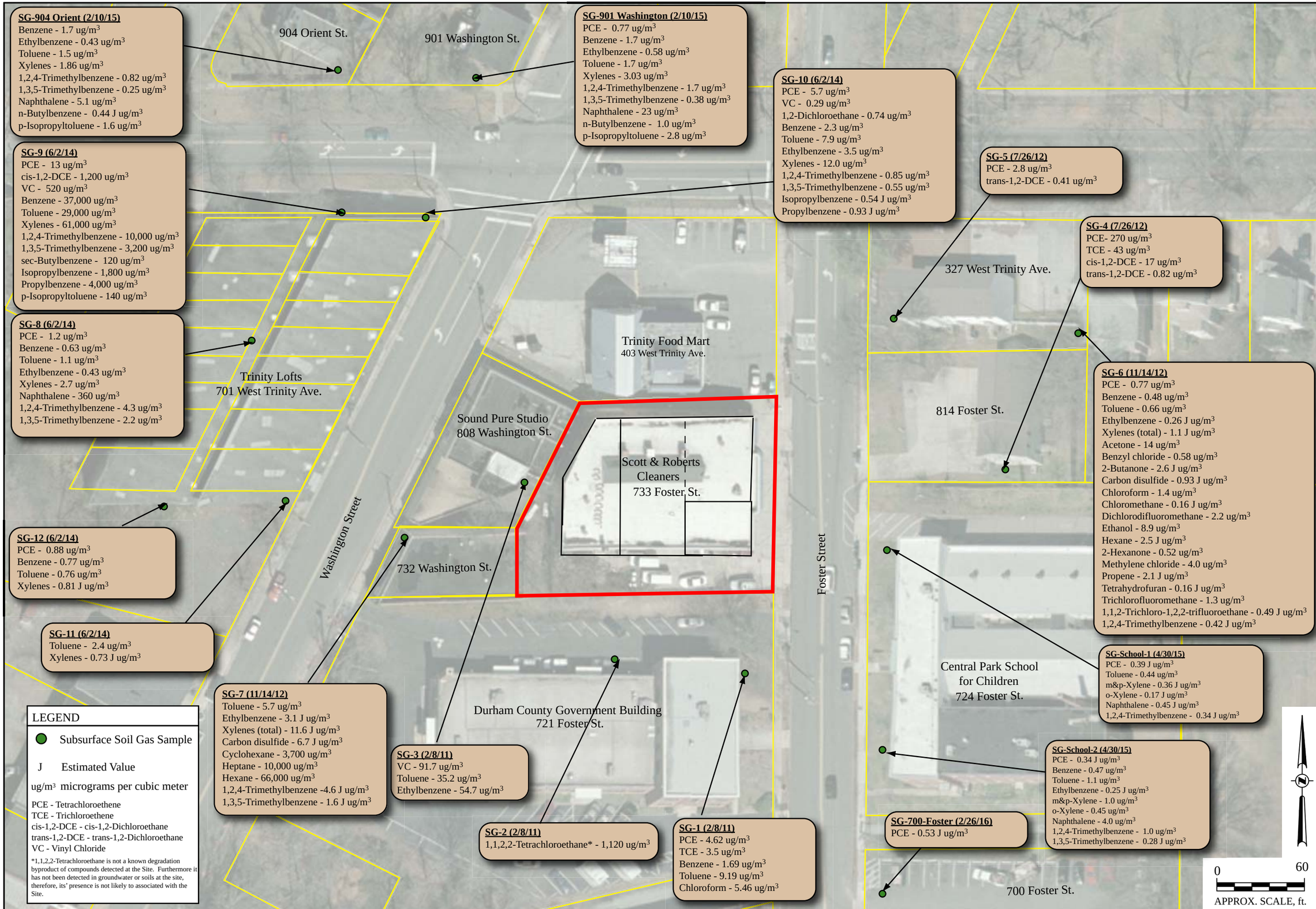
Login Sample Receipt Checklist
(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The coolers'/boxes' custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	NA	
4) Cooler Temperature is acceptable.	NA	
5) Cooler Temperature is recorded.	NA	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) Samples are received within Holding Time.	T	
10) Sample containers have legible labels.	T	
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	T	
12) Sample collection date/times are provided.	T	
13) Appropriate sample/media containers are used.	T	
14) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
15) Trip blanks provided if applicable.	NA	

Who notified of False statements? **Date/Time:**

Doc #278 Rev. 5 October 2014 **Log-In Technician Initials:** **JDL** **3/2/16 1159**

ATTACHMENT 22
SOIL GAS QUALITY MAP



SG-904 Orient (2/10/15)
Benzene - 1.7 ug/m^3
Ethylbenzene - 0.43 ug/m^3
Toluene - 1.5 ug/m^3
Xylenes - 1.86 ug/m^3
1,2,4-Trimethylbenzene - 0.82 ug/m^3
1,3,5-Trimethylbenzene - 0.25 ug/m^3
Naphthalene - 5.1 ug/m^3
n-Butylbenzene - 0.44 J ug/m^3
p-Isopropyltoluene - 1.6 ug/m^3

SG-901 Washington (2/10/15)
PCE - 0.77 ug/m^3
Benzene - 1.7 ug/m^3
Ethylbenzene - 0.58 ug/m^3
Toluene - 1.7 ug/m^3
Xylenes - 3.03 ug/m^3
1,2,4-Trimethylbenzene - 1.7 ug/m^3
1,3,5-Trimethylbenzene - 0.38 ug/m^3
Naphthalene - 23 ug/m^3
n-Butylbenzene - 1.0 ug/m^3
p-Isopropyltoluene - 2.8 ug/m^3

SG-10 (6/2/14)
PCE - 5.7 ug/m^3
VC - 0.29 ug/m^3
1,2-Dichloroethane - 0.74 ug/m^3
Benzene - 2.3 ug/m^3
Toluene - 7.9 ug/m^3
Ethylbenzene - 3.5 ug/m^3
Xylenes - 12.0 ug/m^3
1,2,4-Trimethylbenzene - 0.85 ug/m^3
1,3,5-Trimethylbenzene - 0.55 ug/m^3
Isopropylbenzene - 0.54 J ug/m^3
Propylbenzene - 0.93 J ug/m^3

SG-9 (6/2/14)
PCE - 13 ug/m^3
cis-1,2-DCE - 1,200 ug/m^3
VC - 520 ug/m^3
Benzene - 37,000 ug/m^3
Toluene - 29,000 ug/m^3
Xylenes - 61,000 ug/m^3
1,2,4-Trimethylbenzene - 10,000 ug/m^3
1,3,5-Trimethylbenzene - 3,200 ug/m^3
sec-Butylbenzene - 120 ug/m^3
Isopropylbenzene - 1,800 ug/m^3
Propylbenzene - 4,000 ug/m^3
p-Isopropyltoluene - 140 ug/m^3

SG-5 (7/26/12)
PCE - 2.8 ug/m^3
trans-1,2-DCE - 0.41 ug/m^3

SG-4 (7/26/12)
PCE- 270 ug/m^3
TCE - 43 ug/m^3
cis-1,2-DCE - 17 ug/m^3
trans-1,2-DCE - 0.82 ug/m^3

SG-8 (6/2/14)
PCE - 1.2 ug/m^3
Benzene - 0.63 ug/m^3
Toluene - 1.1 ug/m^3
Ethylbenzene - 0.43 ug/m^3
Xylenes - 2.7 ug/m^3
Naphthalene - 360 ug/m^3
1,2,4-Trimethylbenzene - 4.3 ug/m^3
1,3,5-Trimethylbenzene - 2.2 ug/m^3

SG-6 (11/14/12)
PCE - 0.77 ug/m^3
Benzene - 0.48 ug/m^3
Toluene - 0.66 ug/m^3
Ethylbenzene - 0.26 J ug/m^3
Xylenes (total) - 1.1 J ug/m^3
Acetone - 14 ug/m^3
Benzyl chloride - 0.58 ug/m^3
2-Butanone - 2.6 J ug/m^3
Carbon disulfide - 0.93 J ug/m^3
Chloroform - 1.4 ug/m^3
Chloromethane - 0.16 J ug/m^3
Dichlorodifluoromethane - 2.2 ug/m^3
Ethanol - 8.9 ug/m^3
Hexane - 2.5 J ug/m^3
2-Hexanone - 0.52 ug/m^3
Methylene chloride - 4.0 ug/m^3
Propene - 2.1 J ug/m^3
Tetrahydrofuran - 0.16 J ug/m^3
Trichlorofluoromethane - 1.3 ug/m^3
1,1,2-Trichloro-1,2,2-trifluoroethane - 0.49 J ug/m^3
1,2,4-Trimethylbenzene - 0.42 J ug/m^3

SG-12 (6/2/14)
PCE - 0.88 ug/m^3
Benzene - 0.77 ug/m^3
Toluene - 0.76 ug/m^3
Xylenes - 0.81 J ug/m^3

SG-11 (6/2/14)
Toluene - 2.4 ug/m^3
Xylenes - 0.73 J ug/m^3

SG-School-1 (4/30/15)
PCE - 0.39 J ug/m^3
Toluene - 0.44 ug/m^3
m&p-Xylene - 0.36 J ug/m^3
o-Xylene - 0.17 J ug/m^3
Naphthalene - 0.45 J ug/m^3
1,2,4-Trimethylbenzene - 0.34 J ug/m^3

SG-7 (11/14/12)
Toluene - 5.7 ug/m^3
Ethylbenzene - 3.1 J ug/m^3
Xylenes (total) - 11.6 J ug/m^3
Carbon disulfide - 6.7 J ug/m^3
Cyclohexane - 3,700 ug/m^3
Heptane - 10,000 ug/m^3
Hexane - 66,000 ug/m^3
1,2,4-Trimethylbenzene -4.6 J ug/m^3
1,3,5-Trimethylbenzene - 1.6 J ug/m^3

SG-3 (2/8/11)
VC - 91.7 ug/m^3
Toluene - 35.2 ug/m^3
Ethylbenzene - 54.7 ug/m^3

SG-School-2 (4/30/15)
PCE - 0.34 J ug/m^3
Benzene - 0.47 ug/m^3
Toluene - 1.1 ug/m^3
Ethylbenzene - 0.25 J ug/m^3
m&p-Xylene - 1.0 ug/m^3
o-Xylene - 0.45 ug/m^3
Naphthalene - 4.0 ug/m^3
1,2,4-Trimethylbenzene - 1.0 ug/m^3
1,3,5-Trimethylbenzene - 0.28 J ug/m^3

SG-700-Foster (2/26/16)
PCE - 0.53 J ug/m^3

SG-2 (2/8/11)
1,1,2,2-Tetrachloroethane* - 1,120 ug/m^3

SG-1 (2/8/11)
PCE - 4.62 ug/m^3
TCE - 3.5 ug/m^3
Benzene - 1.69 ug/m^3
Toluene - 9.19 ug/m^3
Chloroform - 5.46 ug/m^3

LEGEND

Subsurface Soil Gas Sample

J Estimated Value

ug/m^3 micrograms per cubic meter

PCE - Tetrachloroethene
TCE - Trichloroethene
cis-1,2-DCE - cis-1,2-Dichloroethane
trans-1,2-DCE - trans-1,2-Dichloroethane
VC - Vinyl Chloride

*1,1,2,2-Tetrachloroethane is not a known degradation byproduct of compounds detected at the Site. Furthermore it has not been detected in groundwater or soils at the site, therefore, its' presence is not likely to associated with the Site.

Subsurface Soil Gas Sample Results
Scott and Roberts Cleaners
733 Foster Street
Durham, NC
DSCA Site # DC320011

URS CORPORATION - NORTH CAROLINA
6000 FAIRVIEW DRIVE, SUITE 200
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0063

URS

NC Environmental Quality

DRAWN BY: CES - 3/29/16
CHECKED BY: SDW - 3/29/16
PROJECT NO.: 60447474
SHEET: ATT. 22

ATTACHMENT 23
SOIL GAS RISK CALCULATORS

DSCA Soil Gas Risk Calculator - Cumulative Risk for Non-Residential Worke
Version 3, 1/16/2015

DSCA ID No:	DC320011
Name/Address of DSCA Site:	Scott & Roberts Cleaners, 733 Foster Street, Durham, NC
Name/Address of Sampling Location:	700 Foster Street, Durham, NC
Sampling Date:	2/26/2016
Sample ID:	SG-700-Foster

CAS	Chemical Name	Soil Gas Concentration	Calculated Indoor Air Concentration	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
		(ug/m^3)	(ug/m^3)	(ug/m3)	(ug/m3)	CR	HI
127-18-4	Tetrachloroethylene	0.53	0.0053	4.72E+01	3.50E+01	1.12E-10	0.0000
					Cumulative:	1.12E-10	0.00

Notes:
1. Calculated indoor air concentrations determined using the following formula:
   Calculated Indoor Air Concentration = Soil Gas Concentration x AF
   Where,
   AF = non-residential attenuation factor = 0.010
2. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.

3. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.
   $CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}
   $HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*
   * = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1

DSCA Soil Gas Risk Calculator - Cumulative Risk for Resident
Version 3, 1/16/2015

DSCA ID No:	DC320011
Name/Address of DSCA Site:	Scott & Roberts Cleaners, 733 Foster Street, Durham, NC
Name/Address of Sampling Location:	700 Foster Street, Durham, NC
Sampling Date:	2/26/2016
Sample ID:	SG-700-Foster

CAS	Chemical Name	Soil Gas Concentration	Calculated Indoor Air Concentration	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
		(ug/m^3)	(ug/m^3)	(ug/m3)	(ug/m3)	CR	HI
127-18-4	Tetrachloroethylene	0.53	0.016	1.08E+01	8.34E+00	1.47E-09	0.0004
					Cumulative:	1.47E-09	0.00

Notes:
1. Calculated indoor air concentrations determined using the following formula:
   Calculated Indoor Air Concentration = Soil Gas Concentration x AF
   Where,
   AF = residential attenuation factor = 0.03
2. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.

3. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.
   $CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}
   $HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*
   * = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1.

ATTACHMENT 24
DISCLAIMER

DISCLAIMER

Data included in this report not generated by or on behalf of URS Corporation – North Carolina (URS) has been taken from documents prepared and submitted to the NCDEQ by Others and is included only for ease of reference; URS does not assume or accept any responsibility or liability for the quality, accuracy, or completeness of the data included on this table that was not generated by or on behalf of URS.

All site historical data prior to November 2009 that was obtained from: 1) DSCA Petition for Certification received by NCDEQ on June 29, 2009 from Jong Sung Park/KSP Company, Inc.; 2) Subsurface Evaluation prepared by Ed Aguirre & Associates, Inc. for Brad A. Lessler and dated March 20, 2006; 3) DSCA Petition for Certification received by NCDEQ June 3, 2004 from Jong Sung Park/KSP Company, Inc.; 4) DSCA Petition for Certification received by NCDEQ June 3, 2004 from Song Chu Choi; 5) Phase I Environmental Site Assessment (ESA) prepared by Engineering Consulting Services, Inc. (ECS) for Brad A. Lessler and dated July 18, 2001; and/or 6) Report of Environmental Assessment and Closure prepared by EnviroChem Environmental Services, Inc. for Jong Park/Scott and Roberts Dry Cleaners and dated February 23, 1992.

Analytical Data Tables
for
North Carolina Dry-Cleaning Solvent Cleanup Act Program

Facility Name:	Scott and Roberts Cleaners
	733 Foster Street, Durham, North Carolina
DSCA ID No.:	DC320011
Submittal Date:	April 8, 2016
Prepared By:	Carlin Slusher and Rob MacWilliams, PG
	URS Corporation - North Carolina

Table of Contents **ADT TOC**

DSCA ID No.: DC320011

Table/ Att. No.	Description	Check box if included
	Tables	
Table 1	Site Chronology	☑
Table 2	Analytical Data for Soil	☐
Table 3	Analytical Data for Sub-slab Gas	☐
Table 4	Analytical Data for Soil Gas	☑
Table 5	Analytical Data for Indoor and Outdoor Air	☐
Table 6	Monitoring Well Construction Data	☑
Table 7	Groundwater Elevation Data	☑
Table 8	Analytical Data for Groundwater	☑
Table 9	Analytical Data for Surface Water	☐
Table 10	Water Well(s) Survey Data	☐
Table 11	Analytical Data for Water Supply Well(s)	☐
Table 12	Analytical Data for Natural Attenuation Parameters	☑
	Attachments	
Att. 1	Site map showing location(s) of soil boring(s).	☐
Att. 2	Soil contaminant concentration maps showing the concentration at each sampling point.	☐
Att. 3	Soil isoconcentration maps.	☐
Att. 4	Site map showing location(s) of monitoring well(s).	☐
Att. 5	Well completion diagrams and records of construction submitted to state.	☐
Att. 6	Groundwater gradient map for each sampling event.	☐
Att. 7	PCE concentration map showing the concentration at each sampling point and isoconcentration map. However, if there are significant plumes for other dry-cleaning contaminants, contaminant concentration maps for each chemical of concern should be included.	☐
Att. 8	Groundwater concentration trend plots.	☐
Att. 9	Map showing location(s) of surface water sample(s) (if applicable).	☐
Att. 10	Surface water concentration map showing the concentration at each sampling point (if applicable).	☐
Att. 11	USGS Quad map with plotted water well location(s) within the 1,500 foot and 0.5 mile radii of the site (if applicable).	☐
Att. 12	Site map showing location(s) of monitoring well(s) for natural attenuation paramete	☐
Att. 13	Site map showing location(s) of indoor air, outdoor air, or soil gas samples.	☐
Att. 14	Air and soil gas concentration map showing the concentration at each sampling point.	☐
Att. 15	Signed laboratory analytical reports including chain-of custody and quality assurance/quality control (QA/QC) documentation (only if not previously submitted).	☐
Att. 16		☐
Att. 17		☐
Att. 18		☐
Att. 19		☐
Att. 20		☐
Att. 21		☐

Note:
1. All maps must include a bar scale, north arrow, site name, DSCA ID No., and date.

Table 1: Site Chronology	ADT 1
DSCA ID No.: DC320011	
Chronology of Events	
Date	Instructions: Brief description of all significant events that have occurred since a problem was suspected at the facility. Commence with the first date a problem was suspected and continue through the most recent activity described in the current report.
3/23/1992	Report of Environmental Assessment and Closure prepared by EnviroChem Environmental Services, Inc. revealed TPH concentrations above reportable action limits discovered in the soil during the permanent closure (via removal from the ground) of five underground storage tanks (UST).
7/18/2001	Limited Phase I ESA Report prepared by ECS on the adjacent 808 Washington St. property revealed RECs in the form of: 1) on-site dry cleaning operations (1935-1970): 2) off-site dry cleaning operations with five former USTs and an ongoing release incident (Incident Number 10568) located at 733 Foster St.; and 3) off-site active gasoline filling station with three USTs located at 403 W. Trinity St.
11/26/2003	Limited Site Assessment (LSA) Report prepared by Clark Environmental Services, PC indicates that one 2-inch diameter groundwater monitoring well (MW-1) was installed to a depth of 47 feet bgs in the former UST basin at the site. One soil and one groundwater sample collected during well installation revealed a mixture of gasoline, Stoddard solvent and chlorinated solvents in the soil and groundwater.
3/12/2004	Review of an email correspondence revealed that Scott and Roberts Dry Cleaners indicated their intent to file a Petition for Certification into the DSCA Program. However, they were recently cited for a compliance violation, which made them ineligible for certification. KSP, Inc., the property owner, was considered a potentially eligible Co-Petitioner.
6/3/2004	NCDEQ received the DSCA Petition for Certification from Song Chu Choi, sole proprietor (Petitioner) which indicates that the equivalent of 3.75 full-time employees currently work at the facility.
6/3/2004	NCDEQ received the DSCA Petition for Certification from Jong Sung Park/KSP Company, Inc. (Co-Petitioner) which provides a detailed site history that includes: dates of operation, owner/operator information, number of dry cleaning machines, types of solvents used, solvent storage methods, and additional information from prior environmental investigations.
6/3/2004	NCDEQ received a Trust Fund eligibility application from the UST owner and responsible party (RP) of Incident Number 10568: KSP Company, Inc., 6820 Davis Circle, Raleigh, NC 27613.
8/9/2004	Site petitioned into the DSCA program and issued the following DSCA identification number: 032-0011.
11/9/2004	NCDEQ determined that the site is conditionally eligible for both the Non-Commercial and Commercial Funds (Trust Fund) for environmental assessment and cleanup.
3/20/2006	The Subsurface Evaluation prepared by Ed Aguirre & Associates, Inc. identified total petroleum hydrocarbons (TPH) concentrations for Oil & Grease above reportable action limits, as well as low concentrations of cis-1,2-Dichloroethene in one of two soil samples collected on the west adjacent 808 Washington St. property which formerly operated as a dry cleaner.
6/29/2009	NCDEQ received another DSCA Petition for Certification from Jong Sung Park/KSP Company, Inc. (Co-Petitioner), which indicates that the site is operating as a drop-off only dry cleaner.
4/14/2010	The indoor air quality (IAQ) Assessment for The Central Park School for Children by EMS Environmental, Inc. indicates that a previous air monitoring event conducted in 2009 did not detect vapors related to chlorinated dry cleaner solvents above permissible exposure limits. Additionally, the 3/26/2010 IAQ sampling event did not detect vapors related to chlorinated dry cleaner solvents and/or petrroleum products above permissible exposure limits.

Table 1: Site Chronology	ADT 1
DSCA ID No.: DC320011	
Chronology of Events	
Date	Instructions: Brief description of all significant events that have occurred since a problem was suspected at the facility. Commence with the first date a problem was suspected and continue through the most recent activity described in the current report.
11/9 - 11/13/2009	URS conducts Prioritization Assessment (PA) activities including: the installation of six groundwater monitoring wells (MW-2 through MW-7), one soil boring (SB-Sump) in the sump location, eight subslab vapor points (001 through 008); air, soil and groundwater sampling; surveying; slug tests; and a receptor survey.
3/29 - 4/2/2010	URS conducts additional PA activities including: the installation of nine groundwater monitoring wells (MW-1RS/D/P, MW-8 through MW-10, MW-12 and MW-13S/D), 10 soil boring (SB-1 through SB-10); soil and groundwater sampling; and surveying.
5/24 - 6/1/2010	URS conducts additional PA activities including: the installation, sampling and surveying of one groundwater monitoring well (MW-11).
2/8/2011	URS advances/collects three soil gas samples (SG-1 to SG-3) at adjacent properties
6/6/2011	URS completes a site-wide groundwater gauging and sampling event of all monitoring wells.
8/15/2011	URS completes indoor air, subslab vapor, and radon sampling of the first floor and basement in the former dry cleaner.
8/24/2011	URS meets with property owner, NCDEQ DSCA Program, NCDEQ Brownfields Program, and NCDEQ UST Program to discuss results of the air sampling event completed on August 15, 2011.
12/13 - 12/20/2011	URS oversees the installation of nine Modified Active Gas Sampling (MAGS) wells (MAGS-1 to MAGS-9). URS completed the MAGS test and collects additional soil and air samples at the MAGS wells.
3/9/2012	URS completes a subslab depressurization pilot test.
7/26 - 7/27/2012	URS completes additional soil sampling in the former UST area by advancing 16 soil borings (B-19 to B-34). URS also advances/collectes two soil gas samples (SG-4 and SG-5) at adjacent properties (327 West Trinity Avenue and 814 Foster Street).
8/22 - 8/23/2012	URS completes a site-wide groundwater gauging and sampling event of all monitoring wells.
11/14 - 11/15/2012	URS completes two additional off-site soil gas samples near 323 West Trinity Avenue residence and 732 Washington Street. One crawl space sample is collected from 814 Foster Street.

Table 1: Site Chronology	ADT 1
DSCA ID No.: DC320011	
Chronology of Events	
Date	Instructions: Brief description of all significant events that have occurred since a problem was suspected at the facility. Commence with the first date a problem was suspected and continue through the most recent activity described in the current report.
2/5 - 2/27/2013	URS oversees trenching onsite and begins installation of Subslab Depressurization System (SSDS) piping.
5/28/2013	URS oversees preparation of area for installation of concrete pad.
6/13/2013	URS begins installation of SSDS and completes system tests.
8/7 - 8/19/2013	URS oversees site survey.
8/28/2013	URS completes a site-wide groundwater gauging and sampling event of all monitoring wells. While on-site, URS discusses site renovation activities with the property owner's subcontractors.
10/7/2013	URS completes additional soil sampling west of the former UST area in response to site renovation activities.
10/10/2013	URS on-site to discuss subsurface utility line activities with the property owner's general contractor and the technique for intersecting the SSDS piping is discussed.
11/21/2013	URS oversees retrofitting of MW-1 and MW-4 needed as a result of building updates.
3/4/2014	URS collects two indoor air samples (Indoor-Upstairs-20140304, Indoor-Basement-20140304) prior to HVAC startup.
3/7/2014	URS collects two indoor air samples (Indoor-Upstairs-20140307, Indoor-Basement-20140307) after 48 hours of HVAC system operation.
4/10/2014	URS oversees the installation of the SSDS blower and control panel.
4/14/2014	URS initiates indoor air sampling; however, air sampling equipment malfunctions.
4/16/2014	URS installs two subslab vapor pins upstairs (Suite 100/300) and downstairs (Suite 500) to collected differential pressure readings across the concrete slab using a manometer.
4/17/2014	URS collects four indoor air samples while HVAC heating is operational in all units.
4/21/2014	URS collects four indoor air samples while HVAC heating is operational in the upstairs units (Suites 100/300 and 200).
4/24 - 4/25/2014	URS collects three indoor air samples while HVAC heating is operational in the downstairs unit (Suite 500) and collects one air sample from the HVAC intake near Suite 500. URS completes a site-wide groundwater gauging and sampling event of all monitoring wells, including monitoring wells associated with the adjacent Trinity Food Mart.

Table 1: Site Chronology	ADT 1
DSCA ID No.: DC320011	
Chronology of Events	
Date	Instructions: Brief description of all significant events that have occurred since a problem was suspected at the facility. Commence with the first date a problem was suspected and continue through the most recent activity described in the current report.
4/27/2014	URS collects three indoor air samples while the HVAC system is non-operational in all units.
5/1 - 5/2/2014	URS oversees the completion of an electrical service panel that services the SSDS blower, moisture separator, and control panel.
5/6/2014	URS collects three indoor air samples while the HVAC A/C (cooling) is operational in all units.
6/2/2014	URS collects five soil gas samples (SG-8 to SG-12) from 701 West Trinity Avenue.
8/5/2014	URS collects one indoor air sample from the Trinity Food Mart.
9/17/2014	URS collects 8-hour indoor air samples at Units 104 and 108 at the Trinity Lofts.
9/30/2014	URS collects 8-hour indoor air samples at Units 112, 113, and 117 at Trinity Lofts.
10/8/2014	URS collects 8-hour confirmatory indoor air samples at Units 104 and 108 at Trinity Lofts.
10/9/2014	URS collects an 8-hour indoor air sample at Unit 107 at Trinity Lofts.
10/22/2014	URS collects 8-hour indoor air samples at Units 101, 109, and 115 at Trinity Lofts and one ambient air sample.
10/29/2014	URS collects 8-hour indoor air samples at Units 102, 106, 110, 114, and 116 at Trinity Lofts.
11/2 - 11/3/2014	S&ME (contractor with NCDEQ UST Program) collects two 24-hour indoor air, two subslab vapor samples, and two ambient air samples.
11/10/2014	URS collects 8-hour indoor air samples at Unit 111 and recollected an 8-hour indoor air sample at Unit 116 at Trinity Lofts.
11/12/2014	URS collects 8-hour indoor air samples at Units 103 and 105 at Trinity Lofts.
12/2/2014	URS deploys 24-hour indoor air samples at Unit 108 at Trinity Lofts.
12/3/2014	URS collects the 24-hour indoor air sample at Unit 108 and collects an indoor air radon grab sample. Additionally, URS collects two subslab vapor samples at Unit 108 and also collects radon grab samples from each of the subslab locations.

Table 1: Site Chronology	ADT 1
DSCA ID No.: DC320011	
Chronology of Events	
Date	Instructions: Brief description of all significant events that have occurred since a problem was suspected at the facility. Commence with the first date a problem was suspected and continue through the most recent activity described in the current report.
2/10/2015	URS collects three subslab vapor samples at Units 109, 113, and 117 at Trinity Lofts. URS collects two soil gas samples (SG-901 Washington and SG-904 Orient) from 901 Washington St. and 904 Orient St.
2/11/2015	URS installs and samples offsite monitoring well MW-14 at 808 West Trinity Avenue.
3/3/2015	URS collects two subslab vapor samplessamples at Units 102 and 104 at Trinity Lofts. The SSDS blower, moisture tank, and control panel are removed from the site.
4/30 - 5/1/2015	URS collects four 24-hour indoor air samples and two soil gas samples from the Central Park School for Children.
2/25 - 2/26/16	URS installs one downgradient monitoring well (MW-15), collects one soil gas sample from 700 Foster Street, completes a sitewide gauging event, and a limited groundwater sampling event of select wells.

Table 4: Analytical Data for Soil Gas **ADT 4**

DSCA ID No.: DC320011

Sample ID	Depth [feet bgs]	Sample Duration[1]	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1,2,2-Tetrachlorethane	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	Trichlorofluoromethane (Freon 11)	Tetrahydrofuran	Propene
				[µg/m^3]																	
SG-1	5	0.5 h	2/8/11	1.69	< 3.6	< 4	NA	< 4.8	4.62	9.19	< 3.6	3.5	< 2.3	< 12	< 6.3	NA	NA	NA	NA	NA	NA
SG-2	5	0.43 h	2/8/11	< 690	< 860	< 940	NA	< 1100	< 1500	< 820	< 860	< 1200	< 560	< 2800	1120	NA	NA	NA	NA	NA	NA
SG-3	5	0.5 h	2/8/11	< 58	< 73	54.7	NA	< 96	< 120	35.2	< 73	< 98	91.7	< 240	< 130	NA	NA	NA	NA	NA	NA
SG-4	5	0.65 h	7/26/12	NA	17	NA	NA	NA	270	NA	0.82	43	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA
SG-5	5	0.68 h	7/26/12	NA	< 0.40	NA	NA	NA	2.8	NA	0.41	< 0.54	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA
SG-6	5	0.67 h	11/14/12	0.48	< 0.40	0.26 J	< 0.36	< 0.52	0.77	0.66	< 0.40	< 0.54	< 0.26	<1.3	< 0.69	< 0.49	0.42 J	0.49 J	1.3	0.16 J	2.1 J
SG-7	5	0.67 h	11/14/12	< 3.2	< 4.0	3.1 J	< 3.6	< 5.2	< 6.8	5.7	< 4.0	< 5.4	< 2.6	9.3	< 6.9	1.6 J	4.6 J	< 7.7	< 5.6	< 2.9	< 69
SG-8	5	0.5 h	6/2/14	0.63	< 0.40	0.43	< 0.36	360	1.2	1.1	< 0.40	< 0.54	< 0.26	2.7	NA	2.2	4.3	NA	NA	NA	NA
SG-9	5	0.5 h	6/2/14	37000	1200	< 4.3	< 3.6	< 5.2	13	29000	< 4.0	< 5.4	520	61000	NA	3200	10000	NA	NA	NA	NA
SG-10	5	0.5 h	6/2/14	2.3	< 0.40	3.5	< 0.36	< 0.52	5.7	7.9	< 0.40	< 0.54	0.29	12	NA	0.55	0.85	NA	NA	NA	NA
SG-11	4	0.5 h	6/2/14	< 0.32	< 0.40	< 0.43	< 0.36	< 0.52	< 0.68	2.4	< 0.40	< 0.54	< 0.26	0.73 J	NA	< 0.49	< 0.49	NA	NA	NA	NA
SG-12	5	0.5 h	6/2/14	0.77	< 0.40	< 0.43	< 0.36	< 0.52	0.88	0.76	< 0.40	< 0.54	< 0.26	0.81 J	NA	< 0.49	< 0.49	NA	NA	NA	NA
SG-901 Washington	5	0.5 h	2/10/15	1.7	< 0.20	0.58	< 0.18	23	0.77	1.7	< 0.20	< 0.27	< 0.13	3.03	NA	0.38	1.7	NA	NA	NA	NA
SG-904 Orient	5	0.5 h	2/10/15	1.7	< 0.20	0.43	< 0.18	5.1	< 0.34	1.5	< 0.20	< 0.27	< 0.13	1.86	NA	0.25	0.82	NA	NA	NA	NA
SG-School-1	5	0.5 h	4/30/15	< 0.32	< 0.40	< 0.43	< 0.36	< 0.52	0.39 J	0.44	< 0.40	< 0.54	< 0.26	0.53 J	NA	< 0.49	0.34 J	NA	NA	NA	NA
SG-School-2	5	0.5 h	4/30/15	0.47	< 0.40	0.25 J	< 0.36	4.0	0.34 J	1.1	< 0.40	< 0.54	< 0.26	1.5	NA	0.28 J	1.0	NA	NA	NA	NA
SG-700-Foster	5	0.45 h	2/26/16	NA	< 0.40	NA	NA	NA	0.53	NA	< 0.40	< 0.54	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA

[1] Indicate "G" for grab sample or for longer samples indicate the number of hours followed by "h".

Table 4(1): Analytical Data for Soil Gas (User Specified Chemicals) **ADT 4(1)**

DSCA ID No.: DC320011

Sample ID	Depth [feet bgs]	Sample Duration[1]	Sampling Date (mm/dd/yy)	Methylene Chloride	Hexane	Heptane	Ethanol	Dichlorodifluoromethane (Freon 12)	2-Butanone (MEK)	Carbon Disulfide	Acetone	Benzyl chloride	Cyclohexane	Chloroform	Chloromethane	2-Hexanone (MBK)	1,2-Dichloroethane	Isopropylbenzene (Cumene)	p-Isopropyltoluene (p-Cymene)	Propylbenzene	sec-Butylbenzene
				[µg/m^3]																	
SG-1	5	0.5 h	2/8/11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.7	NA	NA	NA	NA
SG-2	5	0.43 h	2/8/11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 880	NA	NA	NA	NA
SG-3	5	0.5 h	2/8/11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 74	NA	NA	NA	NA
SG-4	5	0.65 h	7/26/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SG-5	5	0.68 h	7/26/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SG-6	5	0.67 h	11/14/12	4.0	2.5 J	< 0.41	8.9	2.2	2.6 J	0.93 J	14	0.58	< 0.34	1.4	0.16 J	0.52	< 0.40	NA	NA	NA	NA
SG-7	5	0.67 h	11/14/12	< 35	66000	10000	< 75	< 4.9	< 120	6.7 J	< 95	< 5.2	3700	< 4.9	< 2.1	< 4.1	< 4.0	NA	NA	NA	NA
SG-8	5	0.5 h	6/2/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	< 1.2	< 1.3	< 1.2	< 1.3
SG-9	5	0.5 h	6/2/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	1800	140	4000	120
SG-10	5	0.5 h	6/2/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.74	0.54 J	< 1.3	0.93 J	< 1.3
SG-11	4	0.5 h	6/2/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	< 1.2	< 1.3	< 1.2	< 1.3
SG-12	5	0.5 h	6/2/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	< 1.2	< 1.3	< 1.2	< 1.3
SG-901 Washington	5	0.5 h	2/10/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.20	< 0.62	2.8	< 0.62	< 0.63
SG-904 Orient	5	0.5 h	2/10/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.20	< 0.62	1.6	< 0.62	< 0.63
SG-School-1	5	0.5 h	4/30/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	< 1.2	< 1.3	< 1.2	< 1.3
SG-School-2	5	0.5 h	4/30/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	< 1.2	< 1.3	< 1.2	< 1.3
SG-700-Foster	5	0.45 h	2/26/16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

[1] Indicate "G" for grab sample or for longer samples indicate the number of hours followed by "h".

Table 6: Monitoring Well Construction Data **ADT 6**

DSCA ID No.: DC320011

Well ID	Date Installed (mm/dd/yy)	Number of Samples	Well Depth [feet]	Well Diameter [inch]	Screen Interval [feet]	Status (Active/Inactive)
MW-1	9/23/03	2	47	2	7-47	Inactive
MW-1RS	3/31/10	3	35	2	15-35	Active
MW-1RD	3/31/10	5	50	2	40-50	Active
MW-1RP	3/31/10	4	10	2	4-10	Active
MW-2	11/9/09	6	36	2	21-36	Active
MW-3	11/9/09	6	36	2	21-36	Active
MW-4	11/10/09	6	30	2	15-30	Active
MW-5	11/10/09	5	23	2	13-23	Active
MW-6	11/10/09	7	15	2	5-15	Active
MW-7	11/11/09	7	30	2	15-30	Active
MW-8	3/30/10	6	23	2	13-23	Active
MW-9	3/29/10	6	60	2	45-60	Active
MW-10	3/30/10	6	24	2	19-24	Active
MW-11	5/24/10	5	67	2	52-67	Active
MW-12	3/29/10	6	30	2	15-30	Active
MW-13S	3/30/10	4	32	2	17-32	Active
MW-13D	3/30/10	4	46	2	41-46	Active
MW-14	2/11/15	2	16	2	6-16	Active
MW-15	2/26/16	1	15	2	5-15	Active
MW-TM-1*	1/18/11	1	25	2	10-25	Active
MW-TM-2*	2/6/12	1	25	2	10-25	Active
MW-TM-3*	2/16/12	1	25	2	10-25	Active
MW-TM-4*	2/16/12	1	25	2	10-25	Active
MW-TM-20*	11/13/12	1	25	2	5-25	Active
MW-TM-21*	11/13/12	1	25	2	5-25	Active
MW-TM-22*	11/13/12	1	25	2	5-25	Active
MW-TM-23*	11/13/12	1	25	2	5-25	Active
* Wells associated with Trinity Food Mart						

Table 7: Groundwater Elevation Data **ADT 7**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	TOC Elevation [feet]	Depth to Water [feet bgs]	Groundwater Elevation [feet]	Depth to NAPL [feet bgs]	NAPL Thickness [feet]	Corrected* Groundwater Elevation [feet]
MW-1	11/13/09	100	6.42	93.58	5.41	1.01	94.34
MW-2	11/11/09	99.07	17.40	81.67	ND	NA	NA
MW-3	11/11/09	100.75	8.89	91.86	ND	NA	NA
MW-4	11/11/09	91.20	15.14	76.06	ND	NA	NA
MW-5	11/12/09	91.09	11.15	79.94	ND	NA	NA
MW-6	11/12/09	64.50	2.27	62.23	ND	NA	NA
MW-7	11/12/09	89.08	20.60	68.48	ND	NA	NA
MW-2	4/2/2010	99.07	12.61	86.46	NA	NA	NA
MW-3	4/2/2010	100.75	6.31	94.44	NA	NA	NA
MW-4	4/2/2010	91.20	13.79	77.41	NA	NA	NA
MW-5	4/2/2010	91.09	10.45	80.64	10.41	0.04	80.68
MW-6	4/2/2010	64.50	2.87	61.63	NA	NA	NA
MW-7	4/2/2010	89.08	17.75	71.33	NA	NA	NA
MW-8	4/2/2010	99.01	5.67	93.34	NA	NA	NA
MW-9	4/2/2010	98.73	56.00	42.73	NA	NA	NA
MW-10	4/2/2010	85.61	11.12	74.49	NA	NA	NA
MW-12	4/2/2010	69.63	6.69	62.94	NA	NA	NA
MW-13S	4/2/2010	100.33	13.77	86.56	NA	NA	NA
MW-13D	4/2/2010	100.29	Dry	NA	NA	NA	NA
MW-1RS	4/2/2010	99.93	29.31	70.62	NA	NA	NA
MW-1RD	4/2/2010	99.87	31.13	68.74	NA	NA	NA
MW-1RP	4/2/2010	99.98	9.31	90.67	NA	NA	NA
MW-11	5/24/2010	87.38	24.83	62.55	NA	NA	NA
MW-2	4/2/2010	99.07	12.61	86.46	NA	NA	86.46
MW-3	4/2/2010	100.75	6.31	94.44	NA	NA	94.44
MW-4	4/2/2010	91.20	13.79	77.41	NA	NA	77.41
MW-5	4/2/2010	91.09	10.45	80.64	10.41	0.04	80.67
MW-6	4/2/2010	64.50	2.87	61.63	NA	NA	61.63
MW-7	4/2/2010	89.08	17.75	71.33	NA	NA	71.33

Table 7: Groundwater Elevation Data **ADT 7**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	TOC Elevation [feet]	Depth to Water [feet bgs]	Groundwater Elevation [feet]	Depth to NAPL [feet bgs]	NAPL Thickness [feet]	Corrected* Groundwater Elevation [feet]
MW-8	4/2/2010	99.01	5.67	93.34	NA	NA	93.34
MW-9	4/2/2010	98.73	56.00	42.73	NA	NA	42.73
MW-10	4/2/2010	85.61	11.12	74.49	NA	NA	74.49
MW-11	4/2/2010	87.38	24.83	62.55	NA	NA	62.55
MW-12	4/2/2010	69.63	6.69	62.94	NA	NA	62.94
MW-13S	4/2/2010	100.33	13.77	86.56	NA	NA	86.56
MW-13D	4/2/2010	100.29	Dry	NA	NA	NA	NA
MW-1RS	4/2/2010	99.93	29.31	70.62	NA	NA	70.62
MW-1RD	4/2/2010	99.87	31.13	68.74	NA	NA	68.74
MW-1RP	4/2/2010	99.98	9.31	90.67	NA	NA	90.67
MW-2	6/6/2011	99.07	12.87	86.20	NA	NA	86.20
MW-3	6/6/2011	100.75	7.44	93.31	NA	NA	93.31
MW-4	6/6/2011	91.20	13.68	77.52	NA	NA	77.52
MW-5	6/6/2011	91.09	10.32	80.77	10.25	0.07	86.02
MW-6	6/6/2011	64.50	3.69	60.81	NA	NA	60.81
MW-7	6/6/2011	89.08	17.76	71.32	NA	NA	71.32
MW-8	6/6/2011	99.01	6.52	92.49	NA	NA	92.49
MW-9	6/6/2011	98.73	15.10	83.63	NA	NA	83.63
MW-10	6/6/2011	85.61	12.28	73.33	NA	NA	73.33
MW-11	6/6/2011	87.38	25.21	62.17	NA	NA	62.17
MW-12	6/6/2011	69.63	7.89	61.74	NA	NA	61.74
MW-13S	6/6/2011	100.33	15.03	85.30	13.15	1.8	86.65
MW-13D	6/6/2011	100.29	22.35	77.94	NA	NA	77.94
MW-1RS	6/6/2011	99.93	14.87	85.06	13.72	1.15	85.92
MW-1RD	6/6/2011	99.87	23.39	76.48	NA	NA	76.48
MW-1RP	6/6/2011	99.98	5.73	94.25	NA	NA	94.25
MW-2	8/22/2012	99.07	15.29	83.78	NA	NA	83.78
MW-3	8/22/2012	100.75	9.73	91.02	NA	NA	91.02
MW-4	8/22/2012	91.20	14.20	77.00	NA	NA	77
MW-5	8/22/2012	91.09	12.23	78.86	12.10	0.13	78.96
MW-6	8/22/2012	64.50	4.21	60.29	NA	NA	60.29

Table 7: Groundwater Elevation Data **ADT 7**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	TOC Elevation [feet]	Depth to Water [feet bgs]	Groundwater Elevation [feet]	Depth to NAPL [feet bgs]	NAPL Thickness [feet]	Corrected* Groundwater Elevation [feet]
MW-7	8/22/2012	89.08	19.98	69.10	NA	NA	69.1
MW-8	8/22/2012	99.01	8.40	90.61	NA	NA	90.61
MW-9	8/22/2012	98.73	19.87	78.86	NA	NA	78.86
MW-10	8/22/2012	85.61	14.31	71.30	NA	NA	71.3
MW-11	8/22/2012	87.38	26.52	60.86	NA	NA	60.86
MW-12	8/22/2012	69.63	9.26	60.37	NA	NA	60.37
MW-13S	8/22/2012	100.33	17.73	82.60	14.25	3.48	85.21
MW-13D	8/22/2012	100.29	24.00	76.29	NA	NA	76.29
MW-1RS	8/22/2012	99.93	14.50	85.43	NA	NA	85.43
MW-1RD	8/22/2012	99.87	24.65	75.22	NA	NA	75.22
MW-1RP	8/22/2012	99.98	3.05	96.93	NA	NA	96.93
MW-1RS	8/28/2013	99.93	14.97	84.96	12.97	2.00	86.42
MW-1RD	8/28/2013	99.87	23.29	76.58	NA	NA	76.58
MW-1RP	8/28/2013	99.98	4.01	95.97	NA	NA	95.97
MW-2	8/28/2013	99.07	12.69	86.38	NA	NA	86.38
MW-3	8/28/2013	100.75	8.44	92.31	NA	NA	92.31
MW-4	8/28/2013	91.20	13.30	77.90	NA	NA	77.90
MW-5	8/28/2013	91.09	10.76	80.33	10.66	0.10	80.40
MW-6	8/28/2013	64.50	4.61	59.89	NA	NA	59.89
MW-7	8/28/2013	89.08	18.43	70.65	NA	NA	70.65
MW-8	8/28/2013	99.01	7.58	91.43	NA	NA	91.43
MW-9	8/28/2013	98.73	14.04	84.69	NA	NA	84.69
MW-10	8/28/2013	85.61	13.08	72.53	NA	NA	72.53
MW-11	8/28/2013	87.38	25.67	61.71	NA	NA	61.71
MW-12	8/28/2013	69.63	7.89	61.74	NA	NA	61.74
MW-13S	8/28/2013	100.33	14.75	85.58	NA	NA	85.58
MW-13D	8/28/2013	100.29	22.06	78.23	NA	NA	78.23
MW-1RS	4/24/2014	369.70	15.52	354.18	13.46	2.06	355.73
MW-1RD	4/24/2014	369.64	23.65	345.99	NA	NA	345.99
MW-1RP	4/24/2014	369.69	9.55	360.14	NA	NA	360.14
MW-2	4/24/2014	368.83	11.74	357.09	NA	NA	357.09

Table 7: Groundwater Elevation Data **ADT 7**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	TOC Elevation [feet]	Depth to Water [feet bgs]	Groundwater Elevation [feet]	Depth to NAPL [feet bgs]	NAPL Thickness [feet]	Corrected* Groundwater Elevation [feet]
MW-3	4/24/2014	370.50	6.06	364.44	NA	NA	364.44
MW-4	4/24/2014	360.96	11.86	349.10	NA	NA	349.10
MW-5	4/24/2014	360.88	10.38	350.50	10.18	0.20	350.65
MW-6	4/24/2014	334.28	3.03	331.25	NA	NA	331.25
MW-7	4/24/2014	358.86	17.52	341.34	NA	NA	341.34
MW-8	4/24/2014	368.74	5.27	363.47	NA	NA	363.47
MW-9	4/24/2014	368.46	6.72	361.74	NA	NA	361.74
MW-10	4/24/2014	355.42	11.98	343.44	NA	NA	343.44
MW-11	4/24/2014	357.17	24.63	332.54	NA	NA	332.54
MW-12	4/24/2014	339.39	6.25	333.14	NA	NA	333.14
MW-13S	4/24/2014	370.08	15.47	354.61	15.18	0.29	354.83
MW-13D	4/24/2014	370.05	22.68	347.37	NA	NA	347.37
MW-TM-1	4/24/2014	363.79	4.77	359.02	NA	NA	359.02
MW-TM-2*	4/24/2014	361.86	10.91	350.95	NA	NA	350.95
MW-TM-3	4/24/2014	365.22	6.19	359.03	NA	NA	359.03
MW-TM-4	4/24/2014	364.71	3.12	361.59	NA	NA	361.59
MW-TM-20	4/24/2014	361.89	7.32	354.57	NA	NA	354.57
MW-TM-21	4/24/2014	364.02	6.84	357.18	NA	NA	357.18
MW-TM-22	4/24/2014	358.78	8.26	350.52	NA	NA	350.52
MW-TM-23	4/24/2014	337.58	2.96	334.62	NA	NA	334.62
MW-14	2/11/2015	NS	3.30	NA	NA	NA	NA
MW-1RS	2/25/2016	369.70	Not measured - LNAPL sock in well				
MW-1RD	2/25/2016	369.64	22.08	347.56	NA	NA	347.56
MW-1RP	2/25/2016	369.69	3.30	366.39	NA	NA	366.39
MW-2	2/25/2016	368.83	11.69	357.14	NA	NA	357.14
MW-3	2/25/2016	370.50	5.52	364.98	NA	NA	364.98
MW-4	2/25/2016	360.96	11.57	349.39	NA	NA	349.39
MW-5	2/25/2016	360.88	10.49	350.39	10.01	0.48	350.75
MW-6	2/25/2016	334.28	2.08	332.20	NA	NA	332.20
MW-7	2/25/2016	358.86	17.00	341.86	NA	NA	341.86
MW-8	2/25/2016	368.74	5.37	363.37	NA	NA	363.37

Table 7: Groundwater Elevation Data **ADT 7**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	TOC Elevation [feet]	Depth to Water [feet bgs]	Groundwater Elevation [feet]	Depth to NAPL [feet bgs]	NAPL Thickness [feet]	Corrected* Groundwater Elevation [feet]
MW-9	2/25/2016	368.46	5.28	363.18	NA	NA	363.18
MW-10	2/25/2016	355.42	11.64	343.78	NA	NA	343.78
MW-11	2/25/2016	357.17	Not measured - Damaged				
MW-12	2/25/2016	339.39	5.87	333.52	NA	NA	333.52
MW-13S	2/25/2016	370.08	Not measured - LNAPL sock in well				
MW-13D	2/25/2016	370.05	15.08	354.97	NA	NA	354.97
MW-14	2/25/2016	NS	1.68	NA	NA	NA	NA
MW-15	2/26/2016	340.83	NA	NA	NA	NA	NA
MW-TM-1	2/25/2016	363.79	3.73	360.06	NA	NA	360.06
MW-TM-2	2/25/2016	361.86	10.78	351.08	NA	NA	351.08
MW-TM-4	2/25/2016	364.71	1.98	362.73	NA	NA	362.73
MW-TM-21	2/25/2016	364.02	10.57	353.45	NA	NA	353.45
MW-TM-22	2/25/2016	358.78	8.12	350.66	NA	NA	350.66
MW-TM-23	2/25/2016	337.58	2.92	334.66	NA	NA	334.66
* Incorrectly labeled MW-TM-5							

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Diisopropyl ether	Isopropylbenzene (Cumene)	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene
		[mg/L]																			
MW-1	9/25/03	10	0.12	2.3	0.85	0.56	0.14	25	<0.01	<0.01	<0.01	10.9	1.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-1	11/13/09	5.26	1.92	2.46	<0.1	0.796	<0.1	13.1	<0.1	0.102	<0.1	11.2	2.39	0.645	0.308	<0.1	<0.1	0.28	<0.1	<0.1	<0.1
MW-1RS	4/1/10	1.8	0.18	0.41	0.42	0.37	0.0092J	4	<0.02	<0.02	<0.02	1.8	0.72	0.18	0.7	0.033J	0.065	0.092	<0.05	<0.1	<0.1
MW-1RS	6/6/11	15	7.5	3	2.3	0.95	0.83	16	< 0.050	0.1	0.16	14	3.4	0.92	0.43	0.17	0.26	0.49	0.054	< 0.050	< 0.050
MW-1 RS	8/23/12	13	8.2	2.5	2.1	1.1	0.17	25	< 0.10	0.061 J	0.22	12	2.6	0.63	0.18	0.13	0.2	0.32	0.049 J	< 0.10	0.39
MW-1RD	4/1/10	3.6	0.25	0.56	10	0.27	<0.05	1.8	<0.05	<0.05	<0.05	1.4	0.024	0.0058	0.0046	0.002	0.0015	0.0047	<0.001	<0.05	<0.05
MW-1RD	6/6/11	14	1	1.3	7.4	0.44	< 0.10	8.5	< 0.10	< 0.10	0.32	3.4	1.1	0.28	0.69	< 0.10	0.085 J	0.1	< 0.10	< 0.10	< 0.10
MW-1 RD	8/23/12	9.2	0.046 J	0.53	5	0.13	< 0.050	0.77	< 0.050	< 0.050	0.026 J	1.4	0.5	0.13	0.43	0.028 J	0.046 J	0.040 J	< 0.050	< 0.050	< 0.050
MW-1RD	8/28/13	7	< 0.020	0.33	6.9	0.015 J	< 0.020	0.1	< 0.020	< 0.020	< 0.020	0.16	0.088	0.016 J	0.34	0.014 J	0.024	0.032	< 0.020	< 0.020	< 0.020
MW-1RD	4/24/14	3.6	0.028	0.32	4	0.032	< 0.020	0.086	< 0.020	< 0.020	< 0.020	0.2	0.035	0.019 J	0.51	0.02	0.029	0.047	< 0.020	< 0.020	< 0.020
MW-1RP	4/1/10	0.25	0.12	0.038	0.019	0.0043	0.0087	0.38	<0.001	0.0011	<0.001	0.15	0.001	<0.001	0.013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-1RP	6/6/11	0.67	2.3	0.057	0.14	0.057	0.0044 J	0.28	0.012	< 0.0050	< 0.0050	0.28	0.29	0.0068	0.0086	0.0077	0.036	0.016	< 0.0050	< 0.0050	< 0.0050
MW-1 RP	8/23/12	0.56	0.73	0.058	0.057	0.034	< 0.0020	0.081	0.0054	< 0.0020	0.0042	0.13	0.17	0.0084	0.0035	0.0062	0.041	0.0097	0.0027	< 0.0020	< 0.0020
MW-1RP	8/28/13	1	0.23	0.067	0.12	0.047	< 0.0050	0.43	0.0066	< 0.0050	0.14	0.78	0.33	0.052	0.0062	0.0032 J	0.033	0.007	< 0.0050	< 0.0050	0.054

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Diisopropyl ether	Isopropylbenzene (Cumene)	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene
		[mg/L]																			
MW-2	11/11/09	5.04	0.615	1.83	<0.1	0.92	<0.1	7.76	<0.1	<0.1	<0.1	8.87	0.0406	0.0145	<0.001	0.0029	<0.001	0.0084	<0.001	<0.1	<0.1
MW-2	3/30/10	10	1.9	4.4	<0.05	2.7	<0.05	17	<0.05	<0.05	<0.05	22	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05
MW-2	6/6/11	7.8	1.7	2.5	< 0.20	1.2	< 0.20	11	< 0.20	< 0.20	< 0.20	12	4.3	1.2	0.29	0.19 J	0.42	0.61	< 0.20	< 0.20	< 0.20
MW-2	8/22/12	8.1	1.5	2.2	< 0.050	1	< 0.050	12	< 0.050	< 0.050	< 0.050	11	2.5	0.62	0.24	0.1	0.24	0.32	0.052	< 0.050	< 0.050
MW-2	8/28/13	4.7	2	7.5	< 0.050	4.1	< 0.050	10	< 0.050	< 0.050	< 0.050	22	4.2	5.1	0.15	0.73	1.6	2.7	0.2	0.34	< 0.050
MW-2	4/24/14	4.6	2.1	2.2	< 0.0010	1.2	0.00051 J	7.7	0.0062	0.00050 J	0.0054	0.39	3	0.18	0.097	0.096	0.13	0.17	0.012	0.016	< 0.0010
MW-3	11/11/09	0.0429	0.0056	0.0446	<0.001	0.0085	0.0057	0.123	<0.001	0.0027	<0.001	0.19	0.0771	0.0153	0.127	0.0638	0.0172	0.161	<0.01	<0.001	<0.001
MW-3	3/30/10	<0.001	0.0067	<0.001	<0.001	<0.001	0.0075	<0.001	<0.001	0.0039	0.00096J	<0.001	0.012	0.0076	0.23	0.013	0.016	0.027	<0.005	<0.001	<0.001
MW-3	6/6/11	< 0.0010	0.0055	< 0.0010	< 0.0010	< 0.0010	0.0064	< 0.0010	< 0.0010	0.0041	0.00080 J	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-3	8/22/12	< 0.0010	0.003	< 0.0010	< 0.0010	< 0.0010	0.0077	< 0.0010	< 0.0010	0.0037	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-3	8/28/13	< 0.0010	0.0056	< 0.0010	< 0.0010	< 0.0010	0.0058	< 0.0010	0.00042 J	0.005	0.00062 J	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-3	4/24/14	< 0.0010	0.0065	< 0.0010	< 0.0010	< 0.0010	0.0052	< 0.0010	< 0.0010	0.0044	0.0015	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-4	11/11/09	4.71	0.0107	1.16	0.353	0.153	<0.01	0.407	<0.01	<0.01	<0.01	1.07	1.75	0.469	0.0687	0.0785	<0.02	0.21	<0.02	0.014	<0.01
MW-4	3/30/10	1.3	<0.005	0.2	1.1	0.08	<0.005	0.064	<0.005	<0.005	<0.005	0.18	1.8	1.3	0.15	0.26	0.3	0.69	0.042	<0.005	<0.005

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Diisopropyl ether	Isopropylbenzene (Cumene)	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene
		[mg/L]																			
MW-4	6/6/11	0.98	< 0.010	0.14	1	0.044	< 0.010	0.045	< 0.010	< 0.010	< 0.010	0.11	0.011	0.0048 J	0.23	0.011	0.014	0.02	< 0.010	< 0.010	< 0.010
MW-4	8/23/12	3.9	< 0.010	0.53	0.69	0.19	< 0.010	0.13	< 0.010	< 0.010	< 0.010	0.5	0.05	0.02	0.16	0.037	0.052	0.076	0.0053 J	0.0082 J	< 0.010
MW-4	8/28/13	3.5	< 0.020	0.49	0.62	0.16	< 0.020	0.3	< 0.020	< 0.020	< 0.020	0.4	0.021	0.011 J	0.14	0.025	0.034	0.071	< 0.020	< 0.020	< 0.020
MW-4	4/24/14	6.8	< 0.020	0.78	0.55	0.29	< 0.020	0.24	< 0.020	< 0.020	< 0.020	0.036 J	0.035	0.015 J	0.13	0.041	0.062	0.11	< 0.020	0.011 J	< 0.020
MW-5	11/12/09	1.89	0.918	1.36	0.106	2.36	<0.02	1.72	<0.02	<0.02	<0.02	5.13	0.0165	0.0097	<0.001	0.0019	<0.001	0.0053	<0.001	<0.02	<0.02
MW-5	3/30/10	0.66	0.034	1.7	0.48	1.1	<0.01	0.64	<0.01	<0.01	<0.01	3.3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.01
MW-5	6/6/11	0.12	< 0.020	0.68	< 0.020	0.41	< 0.020	0.25	< 0.020	< 0.020	< 0.020	2.4	2.4	0.82	0.027	0.15	0.25	0.42	0.061	0.094	< 0.020
MW-5	8/23/12	0.34	0.52	1.1	< 0.010	0.96	< 0.010	0.53	0.0092 J	< 0.010	0.043	3.9	3.1	1.2	0.04	0.29	0.37	0.71	0.078	0.12	< 0.010
MW-5	4/25/14	0.15	< 0.050	1.8	0.13	1.1	< 0.050	0.61	< 0.050	< 0.050	< 0.050	7.3	6.6	1.5	0.022 J	0.27	0.5	0.78	0.084	0.17	< 0.050
MW-6	11/12/09	0.0075	<0.001	0.0068	<0.001	0.0059	<0.001	0.0087	<0.001	<0.001	<0.001	0.022	0.0095	0.003	0.286	0.0062	0.0027	0.0084	<0.001	0.0014	<0.001
MW-6	3/30/10	0.0068	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.068	0.024	0.34	0.019	0.012	0.02	<0.01	<0.001	<0.001
MW-6	6/6/11	0.00082 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00052 J	0.00060 J	< 0.0010	< 0.0010	< 0.0010
MW-6	8/22/12	< 0.0010	< 0.0010	0.00092 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00058 J	< 0.0010	< 0.0010	< 0.0010
MW-6	8/28/13	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-6	4/25/14	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Diisopropyl ether	Isopropylbenzene (Cumene)	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene
		[mg/L]																			
MW-6	2/25/16	0.00063 J	< 0.0010	0.0013	0.00094 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0019 J	0.0024	0.0019	< 0.0010	0.00096 J	< 0.0010	0.002	< 0.0010	0.00077 J	< 0.0010
MW-7	11/12/09	0.717	<0.001	0.0158	0.763	0.0076	<0.001	0.0142	<0.001	<0.001	<0.001	0.0322	8.9	2.5	0.49	0.38	0.67	1.2	0.22	0.0075	0.0014
MW-7	3/30/10	3.4	<0.01	0.04	2.3	0.051	<0.01	0.086	<0.01	<0.01	<0.01	0.084	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.015	<0.01
MW-7	6/6/11	1.8	< 0.010	0.072	1.6	< 0.010	< 0.010	0.027	< 0.010	< 0.010	< 0.010	0.034	0.026	0.0057 J	0.3	0.024	0.014	0.037	< 0.010	0.016	< 0.010
MW-7	8/22/12	2.9	< 0.010	0.078	1.7	0.02	< 0.010	0.035	< 0.010	< 0.010	< 0.010	0.09	0.034	0.017	0.29	0.029	0.021	0.044	0.0079 J	0.022	< 0.010
MW-7	8/28/13	1.9	< 0.010	0.055	1.2	0.02	< 0.010	0.038	< 0.010	< 0.010	< 0.010	0.072	0.035	0.011	0.19	0.016	0.013	0.029	< 0.010	0.012	< 0.010
MW-7	4/24/14	2.3	< 0.020	0.052	1.6	0.015 J	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.060	0.011 J	< 0.020	< 0.020	0.019 J	0.013 J	0.042	< 0.020	0.014 J	< 0.020
MW-7	2/26/16	1.6	< 0.0050	0.054	1.4	0.026	< 0.0050	0.028	< 0.0050	< 0.0050	< 0.0050	0.05	0.0042 J	0.0022 J	0.24	0.023	0.018	0.039	< 0.0050	0.021	0.0034 J
MW-8	4/1/10	<0.001	<0.001	<0.001	0.0047	<0.001	0.022	<0.001	<0.001	0.00098J	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-8	6/6/11	< 0.0010	< 0.0010	< 0.0010	0.003	< 0.0010	0.011	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-8	8/22/12	< 0.0010	< 0.0010	< 0.0010	0.0042	< 0.0010	0.01	< 0.0010	< 0.0010	0.00057 J	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-8	8/28/13	< 0.0010	< 0.0010	< 0.0010	0.0049	< 0.0010	0.01	< 0.0010	< 0.0010	0.00069 J	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-8	4/25/14	< 0.0010	< 0.0010	< 0.0010	0.0042	< 0.0010	0.012	< 0.0010	< 0.0010	0.00072 J	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-8	2/26/16	< 0.0010	< 0.0010	< 0.0010	0.0052	< 0.0010	0.011	< 0.0010	< 0.0010	0.00060 J	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Diisopropyl ether	Isopropylbenzene (Cumene)	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene
		[mg/L]																			
MW-9	4/1/10	0.00095J	0.0009J	0.00045J	<0.001	<0.001	0.00049J	0.0012	<0.001	0.00059J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-9	6/6/11	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	0.036	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-9	8/22/12	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0012	< 0.0010	< 0.0010	0.0014	< 0.0010	< 0.0030	< 0.0010	< 0.0010	0.023	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-9	8/28/13	< 0.0010	0.0013	< 0.0010	< 0.0010	< 0.0010	0.0025	< 0.0010	< 0.0010	0.0034	< 0.0010	< 0.0030	< 0.0010	< 0.0010	0.0086	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-9	4/24/14	< 0.0010	0.00059 J	< 0.0010	< 0.0010	< 0.0010	0.0018	< 0.0010	< 0.0010	0.0025	< 0.0010	< 0.0030	< 0.0010	< 0.0010	0.0028	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-9	2/26/16	< 0.0010	0.00049 J	< 0.0010	< 0.0010	< 0.0010	0.0014	< 0.0010	< 0.0010	0.0012	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-10	4/1/10	<0.001	0.0082	<0.001	<0.001	<0.001	0.068	<0.001	<0.001	0.011	<0.001	<0.001	<0.01	<0.01	0.34	0.024	0.023	0.035	<0.01	<0.001	<0.001
MW-10	6/6/11	< 0.0010	0.0072	< 0.0010	< 0.0010	< 0.0010	0.078	< 0.0010	< 0.0010	0.014	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-10	8/22/12	< 0.0010	0.005	< 0.0010	< 0.0010	< 0.0010	0.062	< 0.0010	< 0.0010	0.01	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-10	8/28/13	< 0.0010	0.0093	< 0.0010	< 0.0010	< 0.0010	0.1	< 0.0010	< 0.0010	0.019	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-10	4/24/14	< 0.0010	0.0088	< 0.0010	< 0.0010	< 0.0010	0.13	< 0.0010	< 0.0010	0.021	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-10	2/26/16	< 0.0010	0.006	< 0.0010	< 0.0010	< 0.0010	0.1	< 0.0010	< 0.0010	0.016	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-11	5/24/10	0.028	<0.001	0.002	0.092	0.0047	<0.001	0.0044	<0.001	<0.001	<0.001	0.0036	0.001	<0.001	0.044	0.013	<0.001	<0.001	<0.001	<0.001	<0.001
MW-11	6/6/11	0.0029	< 0.0010	< 0.0010	0.013	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	0.0049	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-11	8/22/12	< 0.0010	< 0.0010	< 0.0010	0.051	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	0.018	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Diisopropyl ether	Isopropylbenzene (Cumene)	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene
		[mg/L]																			
MW-11	8/28/13	< 0.0010	< 0.0010	< 0.0010	0.059	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	0.019	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-11	4/24/14	< 0.0010	< 0.0010	< 0.0010	0.06	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	0.017	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-12	4/1/10	1.9	<0.01	0.38	0.41	0.015	<0.01	0.026	<0.01	<0.01	<0.01	0.029	3.8	1.1	3.3	0.18	0.31	0.53	0.068J	<0.01	<0.01
MW-12	6/6/11	2.8	< 0.020	0.3	0.23	0.045	< 0.020	0.041	< 0.020	< 0.020	< 0.020	< 0.060	0.07	0.012 J	0.26	0.018 J	0.032	0.033	< 0.020	< 0.020	< 0.020
MW-12	8/22/12	5.4	< 0.020	0.68	0.23	0.089	< 0.020	0.097	< 0.020	< 0.020	< 0.020	0.19	0.010 J	< 0.020	0.21	0.049	0.063	0.098	< 0.020	< 0.020	< 0.020
MW-12	8/28/13	5	< 0.020	0.47	0.16	0.045	< 0.020	0.099	< 0.020	< 0.020	< 0.020	0.14	0.011 J	< 0.020	0.17	0.027	0.038	0.066	< 0.020	< 0.020	< 0.020
MW-12	4/25/14	4.8	< 0.0010	0.64	0.18	0.02	< 0.0010	0.066	0.0035	< 0.0010	0.0012	0.12	0.0095	0.0028	0.15	0.043	< 0.0010	0.076	0.0048	0.0058	0.002
MW-12	2/25/16	3.2	< 0.010	0.45	0.15	0.021	< 0.010	0.057	< 0.010	< 0.010	< 0.010	0.08	< 0.010	< 0.010	0.17	0.028	< 0.010	0.056	< 0.010	0.0047 J	< 0.010
MW-13S	4/1/10	33	0.25	3.3	13	1.5	0.13	32	<0.1	<0.1	<0.1	17	0.86	0.19	0.046	0.028	0.055	0.087	0.015J	<0.1	<0.1
MW-13S	6/6/11	25	0.22	3.6	14	6.9	< 0.20	23	< 0.20	< 0.20	< 0.20	19	17	4.6	3.2	0.38	1.9	1.9	0.65	< 0.20	< 0.20
MW-13S	8/23/12	29	0.0022	0.037	0.14	0.014	0.0015	30	< 0.0010	< 0.0010	< 0.0010	0.2	0.051	0.014	0.026	0.0022	0.0044	0.0077	0.0016	< 0.0010	< 0.0010
MW-13S	4/25/14	24	0.74	3.4	7.1	3.9	0.14 J	26	< 0.20	< 0.20	< 0.20	23	8.2	2.2	1.5	0.25	0.76	1	< 0.20	< 0.20	< 0.20
MW-13D	6/6/11	0.33	0.04	0.077	0.1	0.22	< 0.010	0.16	< 0.010	< 0.010	< 0.010	0.54	1.4	0.47	0.042	0.012	0.065	0.021	0.038	< 0.010	< 0.010
MW-13D	8/23/12	0.19	0.04	0.065	0.092	0.097	0.0041	0.13	< 0.0010	0.0014	< 0.0010	0.21	0.35	0.16	0.025	0.01	< 0.0010	0.024	0.017	0.006	< 0.0010

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Diisopropyl ether	Isopropylbenzene (Cumene)	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene
		[mg/L]																			
MW-13D	8/28/13	0.056	0.02	0.029	0.12	0.0018	0.001	0.021	< 0.0010	0.00046 J	< 0.0010	0.024	0.011	0.003	0.02	0.0057	0.015	0.014	0.0012	0.0042	0.00060 J
MW-13D	4/24/14	0.0067	0.009	0.0048	0.085	0.00092 J	0.0025	0.004	< 0.0010	0.00058 J	0.0015	0.0047	0.0012	0.00067 J	0.013	0.0013	0.0046	0.0036	0.00051 J	0.0012	< 0.0010
MW-14	2/11/15	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00098 J	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-14	2/25/16	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-15	3/4/16	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-TM-1	4/25/14	< 0.0010	< 0.0010	< 0.0010	0.065	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	0.0054	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-TM-3	4/25/14	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-TM-4	4/25/14	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00088 J	< 0.0010	< 0.0010	0.00066 J	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-TM-2*	4/25/14	0.0051	0.00048 J	0.003	1.2	0.002	< 0.0010	0.00098 J	< 0.0010	< 0.0010	< 0.0010	0.0045	0.00097 J	< 0.0010	0.18	0.0077	0.0025	0.0024	< 0.0010	0.015	0.0044
MW-TM-20	4/25/14	< 0.0010	< 0.0010	< 0.0010	0.0033	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	0.00059 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Diisopropyl ether	Isopropylbenzene (Cumene)	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene
		[mg/L]																			
MW-TM-21	4/25/14	< 0.0010	< 0.0010	< 0.0010	0.00040 J	0.0026	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0030	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0053	0.0013
MW-TM-22	4/25/14	0.9	0.72	0.68	0.33	0.29	< 0.010	1.4	0.02	< 0.010	0.26	2	0.76	0.18	0.076	0.064	< 0.010	0.12	0.03	0.028	0.0068 J
MW-TM-23	4/25/14	< 0.0010	0.0035	< 0.0010	0.12	< 0.0010	0.052	< 0.0010	< 0.0010	0.025	< 0.0010	< 0.0030	< 0.0010	< 0.0010	0.016	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
* Incorrectly labeled MW-TM-5																					

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	bis(2-ethylhexyl)phthalate	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol	Nitrobenzene	Phenol	2,4-Dimethylphenol	3 & 4-methylphenol	1,2-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichlorobenzene	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Methyl-2-pentanone	Acetone	Chlorobenzene
		[mg/L]																			
MW-1	9/25/03	0.19	NA	NA	NA	<0.1	0.26	<0.1	<0.1	0.24	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	NA	NA	NA	<0.01
MW-1	11/13/09	<0.509	<0.509	<0.509	<0.509	<0.407	<0.509	<0.509	<1.02	0.0249 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.5	<0.5	<2.5	<0.1
MW-1RS	4/1/10	<0.005	NA	0.11	<0.01	<0.01	0.0074J	<0.01	0.0030 J	0.033	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.10	< 0.020	< 0.10	0.11	< 0.10	< 0.020
MW-1RS	6/6/11	< 0.050	NA	0.25	0.029 J	< 0.10	< 0.10	0.015 J	0.028 J	0.25	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.25	< 0.050	< 0.25	< 0.25	< 0.25	< 0.050
MW-1 RS	8/23/12	< 0.10	NA	1.1	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.18	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.50	< 0.50	< 0.50	< 0.10
MW-1RD	4/1/10	<0.005	NA	0.095	<0.01	<0.01	0.0039J	<0.01	0.0020 J	0.042J	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.25	< 0.050	< 0.25	0.095	< 0.25	< 0.050
MW-1RD	6/6/11	< 0.020	NA	0.041	0.016 J	< 0.040	0.030 J	< 0.040	0.016 J	0.058 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.50	< 0.50	< 0.50	< 0.10
MW-1 RD	8/23/12	< 0.0050	NA	0.018	0.0065 J	< 0.010	0.026	< 0.010	0.0017 J	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.25	< 0.050	< 0.25	< 0.25	< 0.25	< 0.050
MW-1RD	8/28/13	< 0.0050	NA	0.0050 J	< 0.010	< 0.010	0.017	< 0.010	< 0.010	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.10	< 0.020	< 0.10	< 0.10	< 0.10	< 0.020
MW-1RD	4/24/14	< 0.0050	NA	0.0015 J	< 0.010	< 0.010	0.019	< 0.010	< 0.010	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.10	< 0.020	< 0.10	< 0.10	< 0.10	< 0.020
MW-1RP	4/1/10	<0.005	NA	0.0035J	<0.01	<0.01	0.0027J	<0.01	< 0.010	0.0028	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0099	< 0.0010	0.0032 J	0.0035 J	0.032	< 0.0010
MW-1RP	6/6/11	< 0.0050	NA	< 0.010	0.021	< 0.010	0.0087 J	0.014	0.0035 J	0.0085	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.025	< 0.025	< 0.025	< 0.0050
MW-1 RP	8/23/12	< 0.0050	NA	0.0038 J	0.0020 J	< 0.010	0.0033 J	0.0022 J	< 0.010	0.0049	< 0.0020	0.0010 J	< 0.0020	< 0.0020	< 0.0020	< 0.010	< 0.0020	< 0.010	< 0.010	< 0.010	< 0.0020
MW-1RP	8/28/13	< 0.0050	NA	0.0029 J	0.0097 J	< 0.010	0.0078 J	0.0057 J	0.0024 J	0.01	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.025	< 0.025	< 0.025	< 0.0050

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	bis(2-ethylhexyl)phthalate	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol	Nitrobenzene	Phenol	2,4-Dimethylphenol	3 & 4-methylphenol	1,2-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichlorobenzene	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Methyl-2-pentanone	Acetone	Chlorobenzene
		[mg/L]																			
MW-2	11/11/09	1.18	<0.516	<0.516	<0.516	<0.412	<0.516	<0.516	<1.03	0.0501 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.5	<0.5	<2.5	<0.1
MW-2	3/30/10	1.5	NA	1.8	<0.2	<0.2	<0.2	<0.2	< 0.20	0.093	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.25	< 0.050	< 0.25	1.8	< 0.25	< 0.050
MW-2	6/6/11	0.28	NA	1.1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.0050	< 0.20	< 0.0050	0.30 J	< 0.0050	< 0.20
MW-2	8/22/12	0.054	NA	0.36	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.25	< 0.050	< 0.25	< 0.25	< 0.25	< 0.050
MW-2	8/28/13	0.013	NA	0.23	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.037 J	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.25	< 0.050	< 0.25	< 0.25	< 0.25	< 0.050
MW-2	4/24/14	0.16	NA	0.66	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.057	< 0.0010	0.0018	< 0.0010	< 0.0010	< 0.0010	0.046	< 0.0010	0.0073	0.28	0.044	< 0.0010
MW-3	11/11/09	<0.0051	<0.0051	<0.0051	<0.0051	<0.0041	<0.0051	<0.0051	<0.0102	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.005	<0.025	<0.001
MW-3	3/30/10	<0.005	NA	<0.01	<0.01	<0.01	<0.01	<0.01	< 0.010	<0.001	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.010	< 0.0050	< 0.0010
MW-3	6/6/11	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-3	8/22/12	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-3	8/28/13	9	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-3	4/24/14	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-4	11/11/09	<0.0052	0.025	0.0476	0.0062	0.0069	0.07	<0.0052	<0.0103	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	0.377	<0.01
MW-4	3/30/10	<0.005	NA	0.012	<0.01	<0.01	0.008J	<0.01	< 0.010	<0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.025	0.012	< 0.025	< 0.0050

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	bis(2-ethylhexyl)phthalate	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol	Nitrobenzene	Phenol	2,4-Dimethylphenol	3 & 4-methylphenol	1,2-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichlorobenzene	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Methyl-2-pentanone	Acetone	Chlorobenzene
		[mg/L]																			
MW-4	6/6/11	< 0.0050	NA	0.014	< 0.010	< 0.010	0.0050 J	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.010	< 0.050	< 0.050	< 0.050	< 0.010
MW-4	8/23/12	< 0.0050	NA	0.032	< 0.010	< 0.010	0.0039 J	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.010	< 0.050	< 0.050	< 0.050	< 0.010
MW-4	8/28/13	< 0.0050	NA	0.023	< 0.010	< 0.010	0.0036 J	< 0.010	< 0.010	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.10	< 0.020	< 0.10	< 0.10	< 0.10	< 0.020
MW-4	4/24/14	< 0.0050	NA	0.045	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.10	< 0.020	< 0.10	< 0.10	< 0.10	< 0.020
MW-5	11/12/09	1.95	0.643	1.78	<0.51	<0.408	<0.51	<0.51	<1.02	0.0193 J	<0.02	<0.02	<0.02	<0.02	<0.02	<0.10	<0.02	<0.10	<0.10	<0.5	<0.02
MW-5	3/30/10	0.31	NA	1.2	<0.2	<0.2	<0.2	<0.2	< 0.20	<0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.010	< 0.050	1.2	< 0.050	< 0.010
MW-5	6/6/11	0.36	NA	1.8	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.10	< 0.020	< 0.10	< 0.10	< 0.10	< 0.020
MW-5	8/23/12	0.010 J	NA	0.17	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.010	< 0.050	< 0.050	< 0.050	< 0.010
MW-5	4/25/14	0.049 J	NA	0.57	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.25	< 0.050	< 0.25	< 0.25	< 0.25	< 0.050
MW-6	11/12/09	<0.005	<0.005	<0.005	<0.005	<0.004	<0.005	<0.005	<0.010	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.005	<0.025	<0.001
MW-6	3/30/10	<0.005	NA	<0.01	<0.01	<0.01	<0.01	<0.01	< 0.010	<0.001	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.010	< 0.0050	< 0.0010
MW-6	6/6/11	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-6	8/22/12	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-6	8/28/13	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-6	4/25/14	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	bis(2-ethylhexyl)phthalate	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol	Nitrobenzene	Phenol	2,4-Dimethylphenol	3 & 4-methylphenol	1,2-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichlorobenzene	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Methyl-2-pentanone	Acetone	Chlorobenzene
		[mg/L]																			
MW-6	2/25/16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-7	11/12/09	<0.0051	<0.0051	<0.0051	<0.0051	<0.0041	0.0272	<0.0051	<0.0102	0.0036	0.0013	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.005	<0.025	<0.001
MW-7	3/30/10	<0.005	NA	0.0024J	<0.01	<0.01	0.02	<0.01	< 0.010	<0.01	0.0042 J	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.010	< 0.050	0.0024 J	< 0.050	< 0.010
MW-7	6/6/11	< 0.0050	NA	< 0.010	< 0.010	< 0.010	0.014	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.010	< 0.050	< 0.050	< 0.050	< 0.010
MW-7	8/22/12	< 0.0050	NA	0.0021 J	< 0.010	< 0.010	0.0086 J	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.010	< 0.050	< 0.050	< 0.050	< 0.010
MW-7	8/28/13	0.0018 J	NA	< 0.010	< 0.010	< 0.010	0.0040 J	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.010	< 0.050	< 0.050	< 0.050	< 0.010
MW-7	4/24/14	< 0.0050	NA	< 0.010	< 0.010	< 0.010	0.0058 J	< 0.010	< 0.010	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.10	< 0.020	< 0.10	< 0.10	< 0.10	< 0.020
MW-7	2/26/16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0050	0.0020 J	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.025	< 0.025	< 0.025	< 0.0050
MW-8	4/1/10	<0.005	NA	<0.01	<0.01	<0.01	<0.01	<0.01	< 0.010	<0.001	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.010	< 0.0050	< 0.0010
MW-8	6/6/11	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-8	8/22/12	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-8	8/28/13	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-8	4/25/14	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-8	2/26/16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	bis(2-ethylhexyl)phthalate	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol	Nitrobenzene	Phenol	2,4-Dimethylphenol	3 & 4-methylphenol	1,2-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichlorobenzene	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Methyl-2-pentanone	Acetone	Chlorobenzene
		[mg/L]																			
MW-9	4/1/10	<0.005	NA	<0.01	<0.01	<0.01	<0.01	<0.01	< 0.010	<0.001	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0037 J	< 0.0010	< 0.0050	< 0.010	0.0066	< 0.0010
MW-9	6/6/11	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-9	8/22/12	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-9	8/28/13	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-9	4/24/14	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-9	2/26/16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-10	4/1/10	<0.005	NA	<0.01	<0.01	<0.01	<0.01	<0.01	< 0.010	<0.001	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.010	< 0.0050	< 0.0010
MW-10	6/6/11	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-10	8/22/12	0.0029 J	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-10	8/28/13	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-10	4/24/14	0.0017 J	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-10	2/26/16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-11	5/24/10	<0.005	NA	0.0016 J	<0.01	<0.01	0.015	<0.01	<0.01	<0.001	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.011	< 0.0010	0.0099	0.0058	0.044	< 0.0010
MW-11	6/6/11	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-11	8/22/12	0.015	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	bis(2-ethylhexyl)phthalate	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol	Nitrobenzene	Phenol	2,4-Dimethylphenol	3 & 4-methylphenol	1,2-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichlorobenzene	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Methyl-2-pentanone	Acetone	Chlorobenzene
		[mg/L]																			
MW-11	8/28/13	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-11	4/24/14	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-12	4/1/10	<0.005	NA	0.003	<0.01	<0.01	0.0037J	<0.01	< 0.010	<0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.010	< 0.050	0.0030 J	< 0.050	< 0.010
MW-12	6/6/11	< 0.0050	NA	0.0033 J	< 0.010	< 0.010	0.042	< 0.010	< 0.010	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.10	< 0.020	< 0.10	< 0.10	< 0.10	< 0.020
MW-12	8/22/12	< 0.0050	NA	0.023	< 0.010	< 0.010	0.014	< 0.010	< 0.010	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.10	< 0.020	< 0.10	< 0.10	< 0.10	< 0.020
MW-12	8/28/13	0.012	NA	0.0044 J	< 0.010	< 0.010	0.014	< 0.010	< 0.010	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.10	< 0.020	< 0.10	< 0.10	< 0.10	< 0.020
MW-12	4/25/14	0.0065	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	0.018	< 0.0010
MW-12	2/25/16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.010
MW-13S	4/1/10	9.5	NA	4.8	<1.0	<1.0	<1.0	<1.0	< 1.0	1.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.50	4.8	< 0.50	< 0.10
MW-13S	6/6/11	0.82	NA	0.94	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	1.9	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 1.0	< 1.0	< 1.0	< 0.20
MW-13S	8/23/12	2.2	NA	3.4	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-13S	4/25/14	2	NA	6.4	< 1.0	< 1.0	< 1.0	0.58 J	< 1.0	1.6	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 1.0	< 1.0	< 1.0	< 0.20
MW-13D	6/6/11	< 0.0050	NA	0.16	0.021	< 0.010	< 0.010	0.08	0.01	0.018	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.010	< 0.050	< 0.050	< 0.050	< 0.010
MW-13D	8/23/12	< 0.0050	NA	0.058	0.0044 J	< 0.010	< 0.010	0.015	< 0.010	0.012	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	0.0064	< 0.0010

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	bis(2-ethylhexyl)phthalate	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol	Nitrobenzene	Phenol	2,4-Dimethylphenol	3 & 4-methylphenol	1,2-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichlorobenzene	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Methyl-2-pentanone	Acetone	Chlorobenzene
		[mg/L]																			
MW-13D	8/28/13	0.0019 J	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.0078	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	0.0077	< 0.0010
MW-13D	4/24/14	< 0.0050	NA	0.0034 J	< 0.010	< 0.010	0.017	< 0.010	< 0.010	0.0058	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-14	2/11/15	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	0.0014	0.0033	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-14	2/25/16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0010	0.0013	0.0032	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-15	3/4/16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	0.01	< 0.0010
MW-TM-1	4/25/14	0.0063	NA	0.018	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-TM-3	4/25/14	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-TM-4	4/25/14	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-TM-5	4/25/14	< 0.0050	NA	0.0022 J	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	0.0004 8 J	< 0.0010	0.0021	< 0.0010	0.0031	< 0.0050	0.0011	< 0.0050	< 0.0050	< 0.0050	0.005
MW-TM-20	4/25/14	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: DC320011

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	bis(2-ethylhexyl)phthalate	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol	Nitrobenzene	Phenol	2,4-Dimethylphenol	3 & 4-methylphenol	1,2-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichlorobenzene	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Methyl-2-pentanone	Acetone	Chlorobenzene
		[mg/L]																			
MW-TM-21	4/25/14	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0016	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010
MW-TM-22	4/25/14	< 0.0050	NA	0.035	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.013	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.010	< 0.050	< 0.050	< 0.050	< 0.010
MW-TM-23	4/25/14	< 0.0050	NA	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	< 0.0010

Table 12: Analytical Data for Natural Attenuation Parameters **ADT 12**

DSCA ID No.: DC320011

Sample ID	Sampling Date (mm/dd/yy)	Dissolved oxygen (DO)	Nitrate	Sulfate	Major Cations	Methane	Ferrous Iron	Oxidation reduction potential (ORP)	Alkalinity	Chloride (optional)	Conductivity	pH	Temperature	Total organic carbon (TOC)	Ethane	Ethene
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mV	mg/L	mg/L	µs/cm^2	std unit	° C	mg/L	mg/L	mg/L
MW-1RS	4/1/10	9.07	NA	NA	NA	NA	NA	88	NA	NA	0.999	6.8	20.1	NA	NA	NA
MW-1RD	4/1/10	8.79	NA	NA	NA	NA	NA	100	NA	NA	0.995	6.27	19.7	NA	NA	NA
MW-1RP	4/1/10	9.96	NA	NA	NA	NA	NA	97	NA	NA	0.602	6.5	15.9	NA	NA	NA
MW-2	3/30/10	4.12	NA	NA	NA	NA	NA	0.92	NA	NA	0.97	8.91	20.5	NA	NA	NA
MW-3	3/30/10	6.24	NA	NA	NA	NA	NA	222	NA	NA	0.489	4.96	19.5	NA	NA	NA
MW-4	3/30/10	5.19	NA	NA	NA	NA	NA	-103	NA	NA	1.21	9.01	18.4	NA	NA	NA
MW-5	3/30/10	6.62	NA	NA	NA	NA	NA	-86	NA	NA	0.91	9.15	19	NA	NA	NA
MW-6	3/30/10	7.04	NA	NA	NA	NA	NA	-70	NA	NA	1	8.89	19.1	NA	NA	NA
MW-7	3/30/10	5.83	NA	NA	NA	NA	NA	-44	NA	NA	0.97	8.23	18.1	NA	NA	NA
MW-8	4/1/10	6.53	NA	NA	NA	NA	NA	216	NA	NA	0.326	4.29	19.1	NA	NA	NA
MW-9	4/1/10	6.68	NA	NA	NA	NA	NA	170	NA	NA	0.684	5.03	19.2	NA	NA	NA
MW-10	4/1/10	6.08	NA	NA	NA	NA	NA	149	NA	NA	0.759	5.34	19.2	NA	NA	NA
MW-12	4/1/10	7.2	NA	NA	NA	NA	NA	166	NA	NA	0.9	4.86	16.8	NA	NA	NA
MW-13S	4/1/10	8.13	NA	NA	NA	NA	NA	141	NA	NA	1.16	5.95	19.1	NA	NA	NA
MW-6	2/25/16	6.12	NA	NA	NA	NA	NA	92.1	NA	NA	0.598	5.7	12.2	NA	NA	NA
MW-7	2/25/16	8.63	NA	NA	NA	NA	NA	143.1	NA	NA	0.789	7.08	14.2	NA	NA	NA
MW-8	2/25/16	3.39	NA	NA	NA	NA	NA	180.3	NA	NA	0.227	6.54	17.3	NA	NA	NA
MW-9	2/25/16	7.38	NA	NA	NA	NA	NA	192.5	NA	NA	0.876	7.53	16.3	NA	NA	NA
MW-10	2/25/16	5.55	NA	NA	NA	NA	NA	171.9	NA	NA	0.526	7.07	14.6	NA	NA	NA
MW-12	2/25/16	2.75	NA	NA	NA	NA	NA	130.8	NA	NA	0.727	6.64	17.0	NA	NA	NA
MW-14	2/25/16	7.42	NA	NA	NA	NA	NA	248	NA	NA	0.336	6.22	13.5	NA	NA	NA